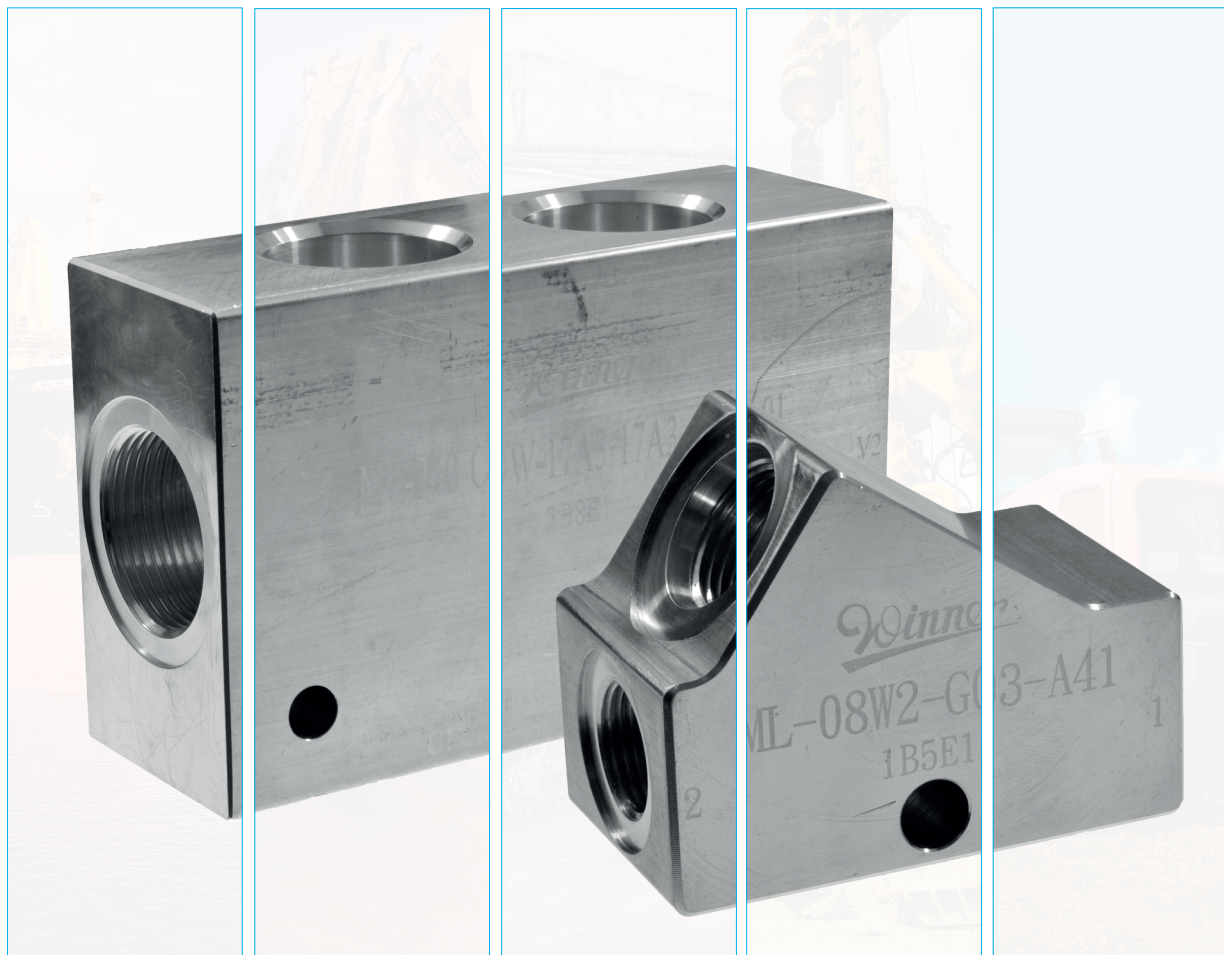


Winner



BLOKI LINIOWE

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-2A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		303
			350 (Ductile Iron)		
	ML-2A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		304
			350 (Ductile Iron)		
	ML-2A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		305
			350 (Ductile Iron)		
	ML-2A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		306
			350 (Ductile Iron)		
	ML-2A3- <input type="checkbox"/> - <input type="checkbox"/> -41- <input type="checkbox"/>		210 (Aluminum)		307
			350 (Ductile Iron)		

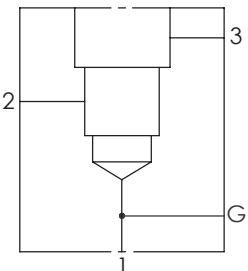
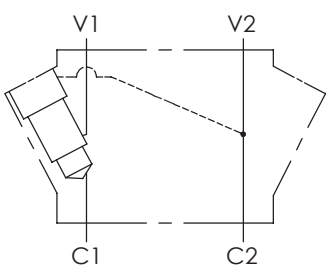
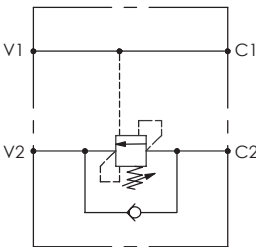
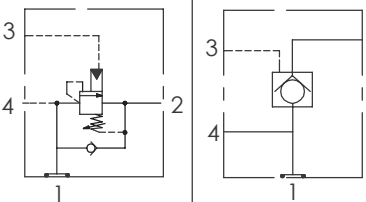
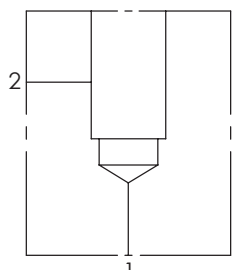
“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-2A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>	120	210 (Aluminum)	50.0	308
			350 (Ductile Iron)		
	ML-3A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		309
			350 (Ductile Iron)		
	ML-3A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		310
			350 (Ductile Iron)		
	ML-3A2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		311
			350 (Ductile Iron)		
	ML-3A2- <input type="checkbox"/> - <input type="checkbox"/> -03- <input type="checkbox"/>		210 (Aluminum)		312
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-5A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		313
			350 (Ductile Iron)		
	ML-5A2- <input type="checkbox"/> - <input type="checkbox"/> -41- <input type="checkbox"/>		210 (Aluminum)		314
			350 (Ductile Iron)		
	ML-8A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		315
			350 (Ductile Iron)		
	ML-10A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		316
			350 (Ductile Iron)		
	ML-10A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		317
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-10A2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		318
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-10A2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		319
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-10A2- <input type="checkbox"/> - <input type="checkbox"/> -61- <input type="checkbox"/>		210 (Aluminum)		320
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-11A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		321
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-11A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		322
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-11A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		323
			350 (Ductile Iron)		
	ML-11A3- <input type="checkbox"/> - <input type="checkbox"/> -41- <input type="checkbox"/>		210 (Aluminum)		324
			350 (Ductile Iron)		
	ML-11A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>	60	250 (Aluminum)	32.0	325
			350 (Ductile Iron)		
SYMBOL ML-11A3-G03-A01-CB3H ML-11A3-G03-A01-CO20	ML-11A3- <input type="checkbox"/> - <input type="checkbox"/> -05- <input type="checkbox"/>		210 (Aluminum)		326
			350 (Ductile Iron)		
	ML-13A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		327
			350 (Ductile Iron)		

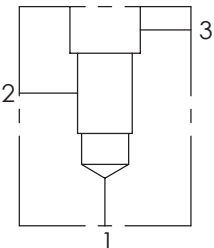
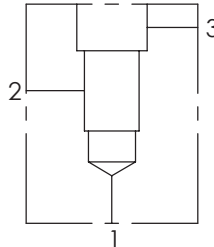
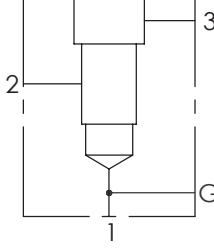
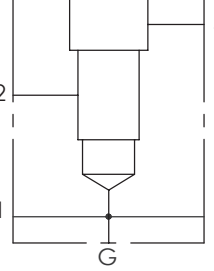
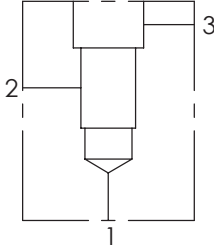
“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-13A2- <input type="checkbox"/> - <input type="checkbox"/> -41- <input type="checkbox"/>		210 (Aluminum)		328
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		329
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16A2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		330
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16A2- <input type="checkbox"/> - <input type="checkbox"/> -03- <input type="checkbox"/>		210 (Aluminum)		331
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-17A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		332
			350 (Ductile Iron)		

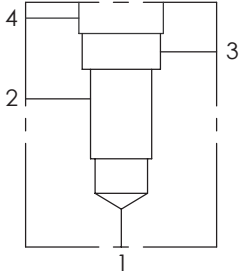
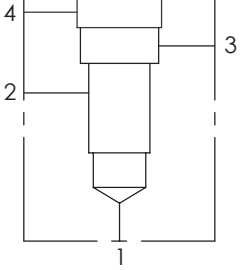
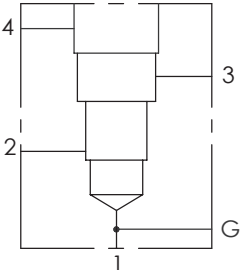
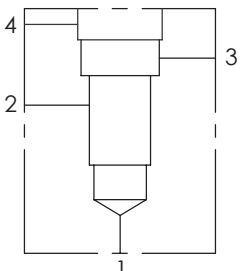
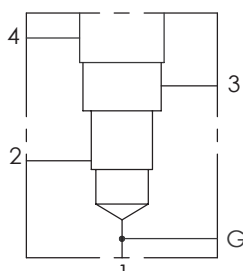
“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-17A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		333
			350 (Ductile Iron)		
	ML-17A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		334
			350 (Ductile Iron)		
	ML-17A3- <input type="checkbox"/> - <input type="checkbox"/> -03- <input type="checkbox"/>		210 (Aluminum)		335
			350 (Ductile Iron)		
	ML-18A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		336
			350 (Ductile Iron)		
	ML-18A2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		337
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-19A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		338
			350 (Ductile Iron)		
	ML-19A3- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		339
			350 (Ductile Iron)		
	ML-19A3- <input type="checkbox"/> - <input type="checkbox"/> -03- <input type="checkbox"/>		210 (Aluminum)		340
			350 (Ductile Iron)		
	ML-19A3- <input type="checkbox"/> - <input type="checkbox"/> -04- <input type="checkbox"/>		210 (Aluminum)		341
			350 (Ductile Iron)		
	ML-19A3- <input type="checkbox"/> - <input type="checkbox"/> -05- <input type="checkbox"/>		210 (Aluminum)		342
			350 (Ductile Iron)		

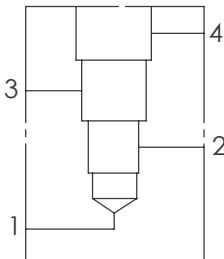
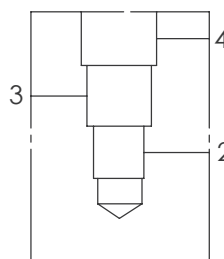
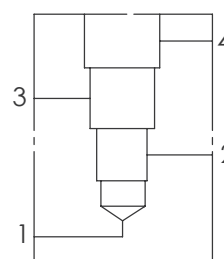
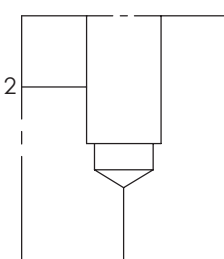
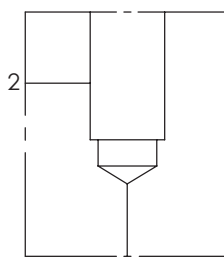
“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-21A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		343
			350 (Ductile Iron)		
	ML-22A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		344
			350 (Ductile Iron)		
	ML-23A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		345
			350 (Ductile Iron)		
	ML-24A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		346
			350 (Ductile Iron)		
	ML-24A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		347
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-31A4- <input type="checkbox"/> - <input type="checkbox"/> -11- <input type="checkbox"/>		210 (Aluminum)		348
			350 (Ductile Iron)		
	ML-31A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		349
			350 (Ductile Iron)		
	ML-32A4- <input type="checkbox"/> - <input type="checkbox"/> -11- <input type="checkbox"/>		210 (Aluminum)		350
			350 (Ductile Iron)		
	ML-32A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		351
			350 (Ductile Iron)		
	ML-33A4- <input type="checkbox"/> - <input type="checkbox"/> -11- <input type="checkbox"/>		210 (Aluminum)		352
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-33A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		353
			350 (Ductile Iron)		
	ML-34A4- <input type="checkbox"/> - <input type="checkbox"/> -11- <input type="checkbox"/>		210 (Aluminum)		354
			350 (Ductile Iron)		
	ML-34A4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		355
			350 (Ductile Iron)		
	ML-162A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		356
			350 (Ductile Iron)		
	ML-162A2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		357
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-163A3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		358
			350 (Ductile Iron)		
	ML-08W2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		359
			350 (Ductile Iron)		
	ML-08W2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		360
			350 (Ductile Iron)		
	ML-08W2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		361
			350 (Ductile Iron)		
	ML-08W2- <input type="checkbox"/> - <input type="checkbox"/> -41- <input type="checkbox"/>		210 (Aluminum)		362
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-08W3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		363
			350 (Ductile Iron)		
	ML-08W4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		364
			350 (Ductile Iron)		
	ML-10W2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		365
			350 (Ductile Iron)		
	ML-10W2- <input type="checkbox"/> - <input type="checkbox"/> -02- <input type="checkbox"/>		210 (Aluminum)		366
			350 (Ductile Iron)		
	ML-10W2- <input type="checkbox"/> - <input type="checkbox"/> -41- <input type="checkbox"/>		210 (Aluminum)		367
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL		Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
(Poppet 2-Way Normally -Open Cartridge Style) X=EP02(P)	(Poppet 2-Way Normally -Closed Cartridge Style) X=EP01(M)					
		ML-10W2- <input type="checkbox"/> - <input type="checkbox"/> -51- <input type="checkbox"/>	70	250 (Aluminum)		368
				350 (Ductile Iron)		
SYMBOL		Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
		ML-10W3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		369
				350 (Ductile Iron)		
SYMBOL		Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
		ML-10W3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		370
				350 (Ductile Iron)		
SYMBOL		Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
		ML-10W4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		371
				350 (Ductile Iron)		
SYMBOL		Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
		ML-10W4- <input type="checkbox"/> - <input type="checkbox"/> -11- <input type="checkbox"/>		210 (Aluminum)		372
				350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-12W2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		373
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-12W3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		374
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-12W4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		375
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16W2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		376
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16W2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		377
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16W3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		378
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16W4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		379
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-16W4- <input type="checkbox"/> - <input type="checkbox"/> -11- <input type="checkbox"/>		210 (Aluminum)		380
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-20WS3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		381
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-20WS4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		382
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-04E2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		383
			350 (Ductile Iron)		
	ML-17E2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		384
			350 (Ductile Iron)		
	ML-17E2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		385
			350 (Ductile Iron)		
	ML-19E2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		386
			350 (Ductile Iron)		
	ML-21E2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		387
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-18M3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		388
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-18M4- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		389
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-20M2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		390
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-20MB2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		391
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-22M2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		392
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-22M3- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		393
			350 (Ductile Iron)		
	ML-28M2- <input type="checkbox"/> - <input type="checkbox"/> -01- <input type="checkbox"/>		210 (Aluminum)		394
			350 (Ductile Iron)		
	ML-60-CDK- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A41		210 (Aluminum)		395
			350 (Ductile Iron)		
	ML-60-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		396
			350 (Ductile Iron)		
	ML-60-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -S01		210 (Aluminum)		397
			350 (Ductile Iron)		

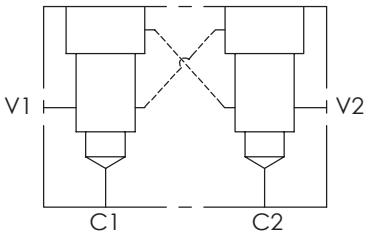
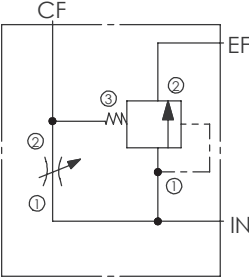
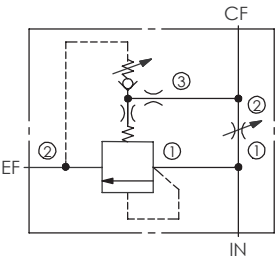
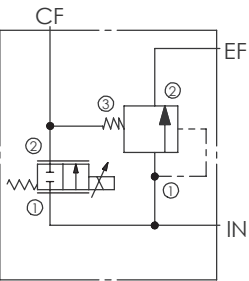
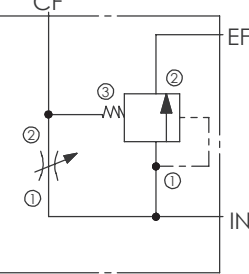
“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-60-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A41		210 (Aluminum)		398
			350 (Ductile Iron)		
	ML-60-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -S41		210 (Aluminum)		399
			350 (Ductile Iron)		
	ML-60-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A42		210 (Aluminum)		400
			350 (Ductile Iron)		
	ML-120-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		401
			350 (Ductile Iron)		
	ML-120-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -S01		210 (Aluminum)		402
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-120-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		403
			350 (Ductile Iron)		
	ML-120-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -S01		210 (Aluminum)		404
			350 (Ductile Iron)		
	ML-120-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A41		210 (Aluminum)		405
			350 (Ductile Iron)		
	ML-120-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -S41		210 (Aluminum)		406
			350 (Ductile Iron)		
	ML-240-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		407
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-480-CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		408
			350 (Ductile Iron)		
	ML-60-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	60	210 (Aluminum)		409
			350 (Ductile Iron)		
	ML-60-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	60	210 (Aluminum)		410
			350 (Ductile Iron)		
	ML-60-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	40	210 (Aluminum)		411
			350 (Ductile Iron)		
	ML-120-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	120	210 (Aluminum)		412
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-120-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	120	210 (Aluminum)		413
			350 (Ductile Iron)		
	ML-240-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	240	210 (Aluminum)		414
			350 (Ductile Iron)		
	ML-240-FRW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01	240	210 (Aluminum)		415
			350 (Ductile Iron)		
	ML-60-HLP-G04- <input type="checkbox"/> -01		210 (Aluminum)		416
			350 (Ductile Iron)		
	ML-60-PPC- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		417
			350 (Ductile Iron)		

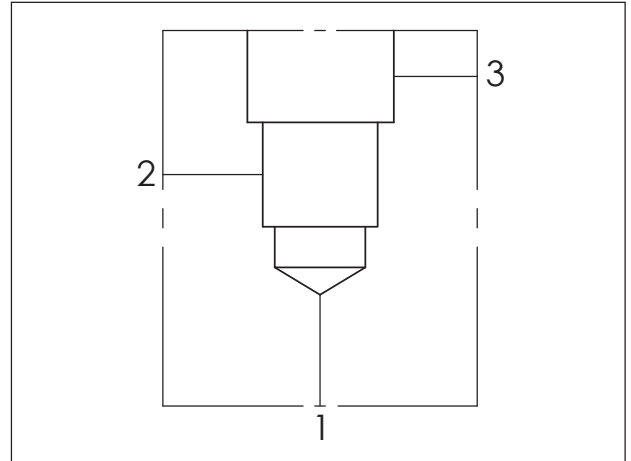
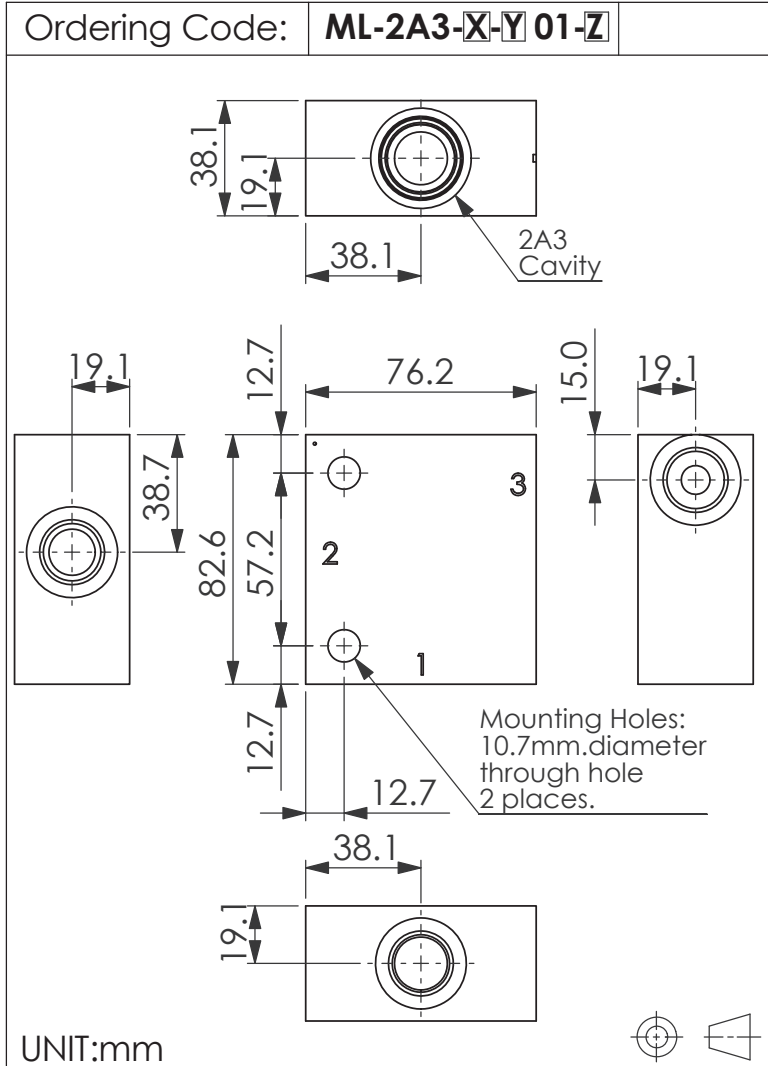
“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-60-PPC- <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> -A01		210 (Aluminum)		418
			350 (Ductile Iron)		
	ML-120-PPC- <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> -A01		210 (Aluminum)		419
			350 (Ductile Iron)		
	ML-120-PPC- <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> -A01		210 (Aluminum)		420
			350 (Ductile Iron)		
	ML-240-PPC- <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> -A01		210 (Aluminum)		421
			350 (Ductile Iron)		
	ML-240-PPC- <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> -A01		210 (Aluminum)		422
			350 (Ductile Iron)		

“ML” Line Mount Standard Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
	ML-120-RDH- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A01		210 (Aluminum)		423
			350 (Ductile Iron)		
	ML-240-PRE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> -A02		210 (Aluminum)		424
			350 (Ductile Iron)		

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.53 kg(WITHOUT VALVES)
Ductile Iron	1.4 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

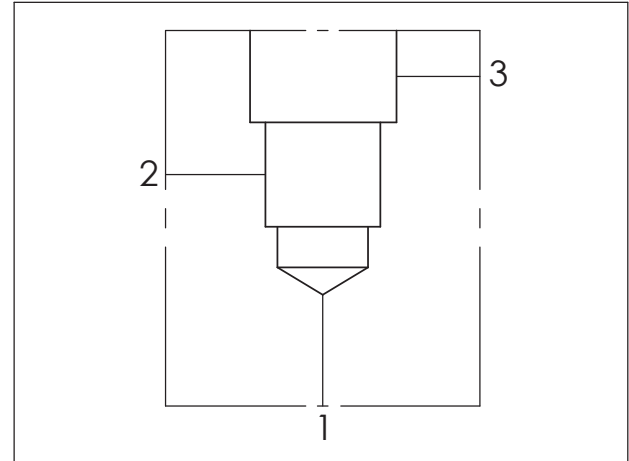
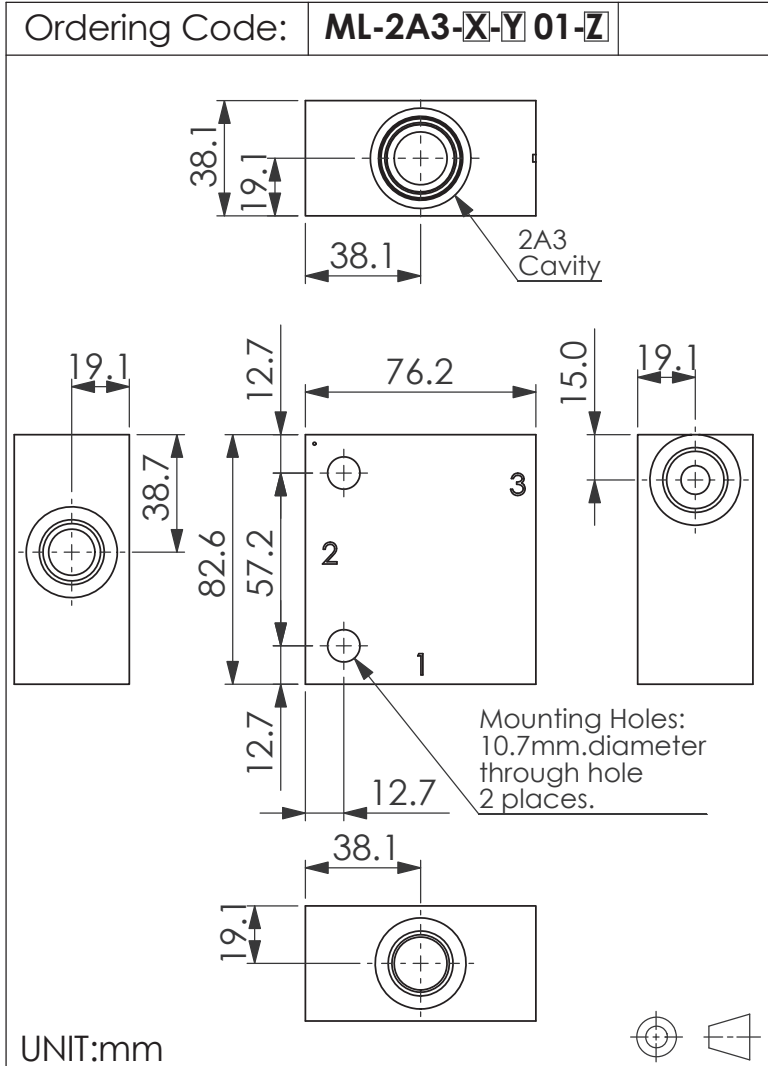
X	PORT SIZE		
	PORTS 1,2	PORT 3	
G04A	G 1/2"	G 1/4"	
G06A	G 3/4"	G 1/4"	
S08A	SAE 8	SAE 6	
S10A	SAE 10	SAE 6	
S12A	SAE 12	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RV3A	RV2A30AL (120LPM,7-210bar)	
CB3H	CB2A33HL (3:1 , 7-280bar)	
CO03	CO2A3003N (120LPM ,0.3bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

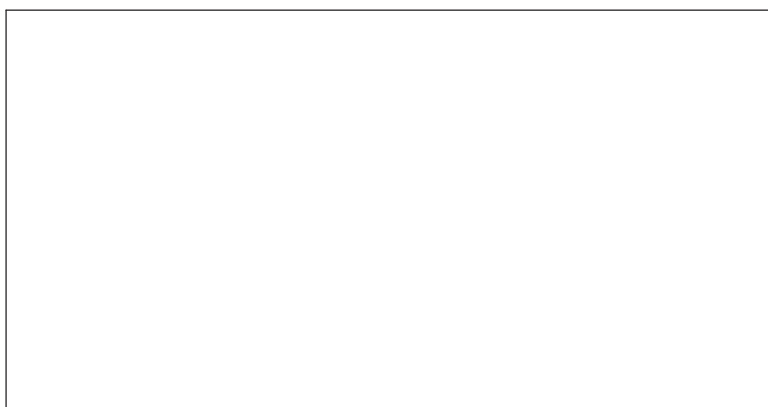
Cavity:

Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.53 kg(WITHOUT VALVES)
Ductile Iron	1.4 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



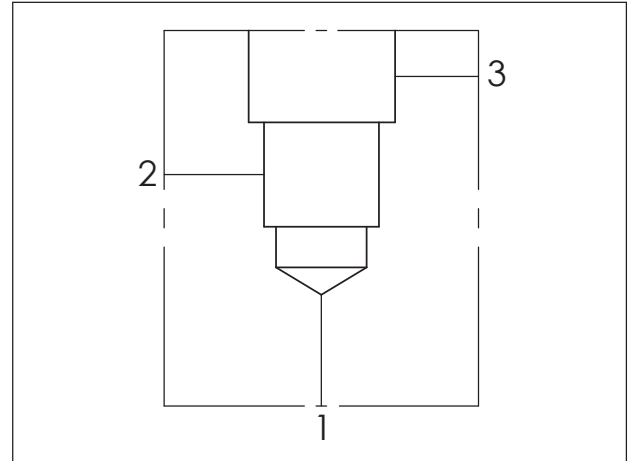
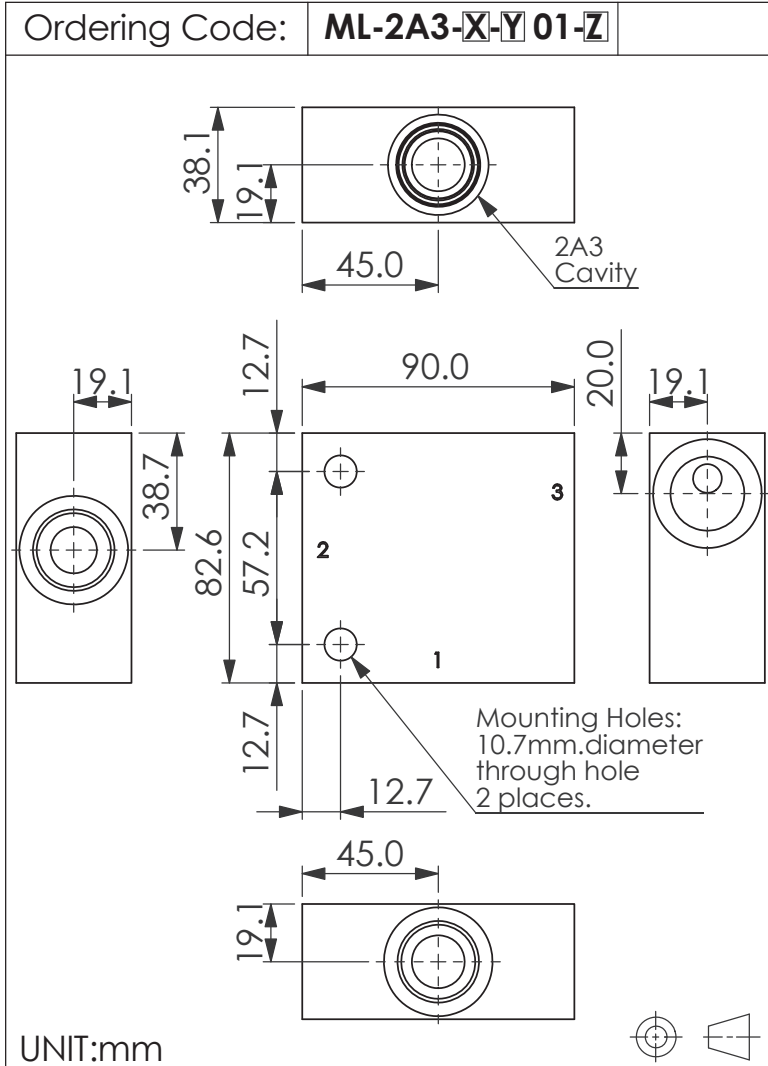
X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G04	G 1/2"	G 1/2"	
G06B	G 3/4"	G 1/2"	
P03	3/8"PT	3/8"PT	
P04	1/2"PT	1/2"PT	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
PPOA	PP2A30AL (80LPM,7-210bar)	
PDOA	PD2A30AL (80LPM,50-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.6 kg(WITHOUT VALVES)
Ductile Iron	1.65 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

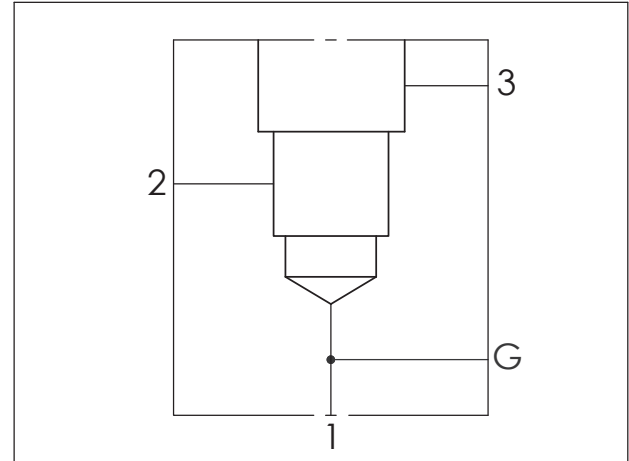
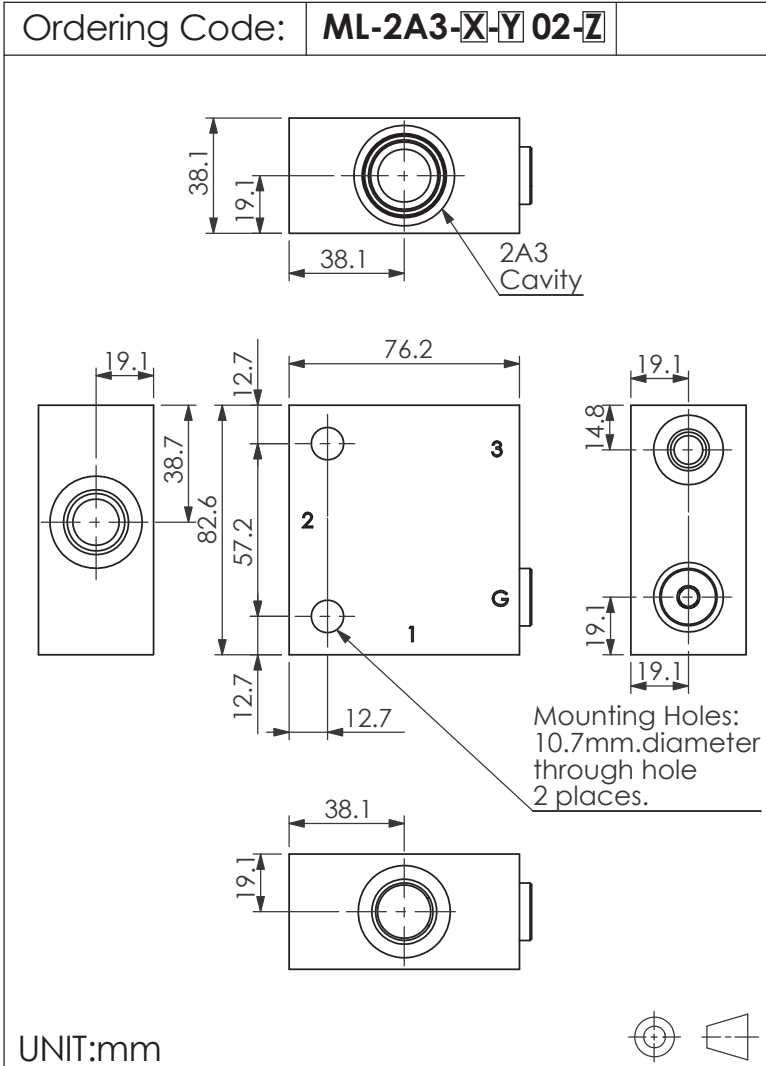
X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G06	G 3/4"	G 3/4"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	+\$ 0.00
PPOA	PP2A30AL (80LPM,7-210bar)	
PDOA	PD2A30AL (80LPM,50-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.53 kg(WITHOUT VALVES)
Ductile Iron	1.4 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G04AG	G 1/2"	G 1/4"	G 1/4"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

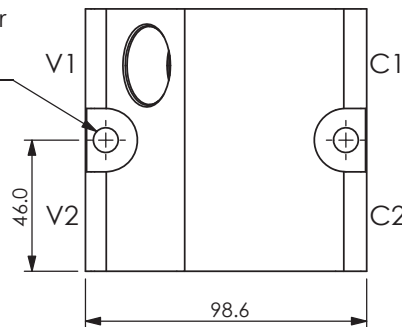
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RV30	RV2A30AL (120LPM,7-210bar)
CB3H	CB2A33HL (3:1 , 7-280bar)
CO03	CO2A3003N (120LPM ,0.3bar)
SPOA	SP2A30AL (120LPM,7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

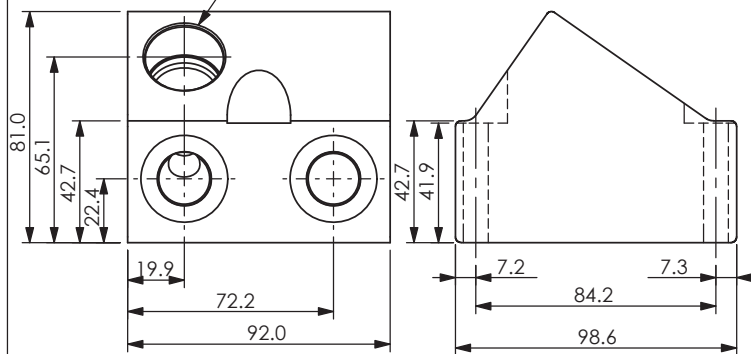
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-2A3-X-Y 41-Z**

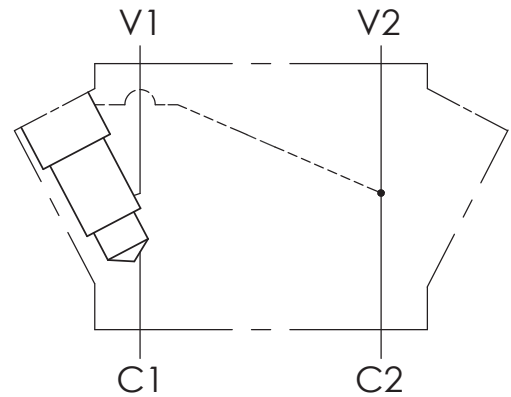
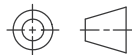
Mounting Holes:
Ø8.7mm. diameter
through hole.
2 places.



2A3 Cavity
Locating Shoulder
Depth 18.3 mm.



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.25 kg(WITHOUT VALVES)
Ductile Iron	3.5 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS	PORTS	
	V1,V2	C1,C2	
G04	G 1/2"	G 1/2"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

CB3H CB2A33HL (3:1 , 7-280bar)

CO03 CO2A3003N (120LPM ,0.3bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

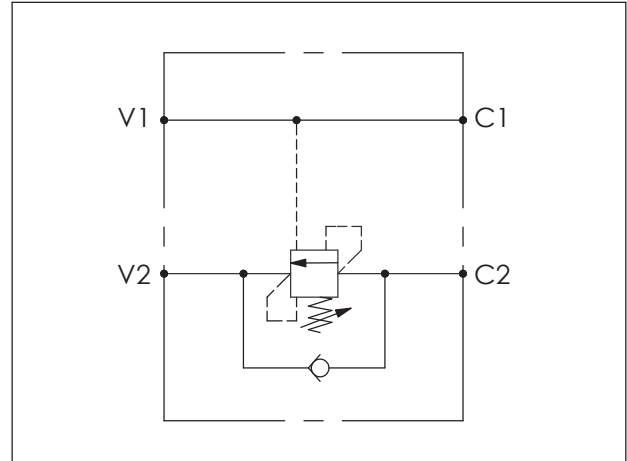
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-2A3-X-Y 02-Z**

Stack Height : 50.0mm

Mounting Holes:
Ø10.4mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
Ductile Iron Body Pressure Rating: 350 bar

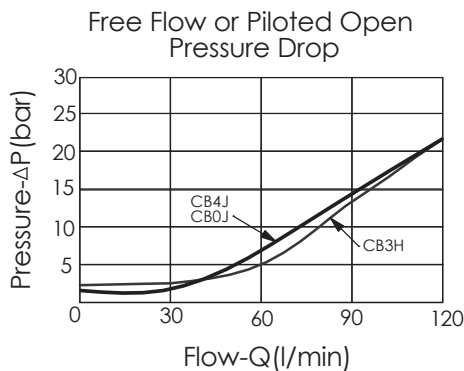
Rated flow: 120 l/min

Cartridge Valve:
Refer to CB2A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.83 kg(WITHOUT VALVES)
	1.23 kg(INCLUDE VALVES)
Ductile Iron	2.31 kg(WITHOUT VALVES)
	2.71 kg(INCLUDE VALVES)

* If you need the special specification.
Please contact us.



PORT SIZE

X	PORTS	PORTS
	V1,V2	C1,C2
G04	G 1/2"	G 1/2"
G06	G 3/4"	G 3/4"
S10	SAE 10	SAE 10

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

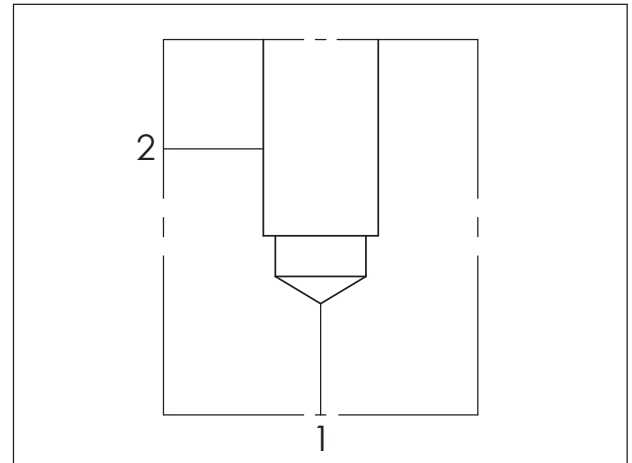
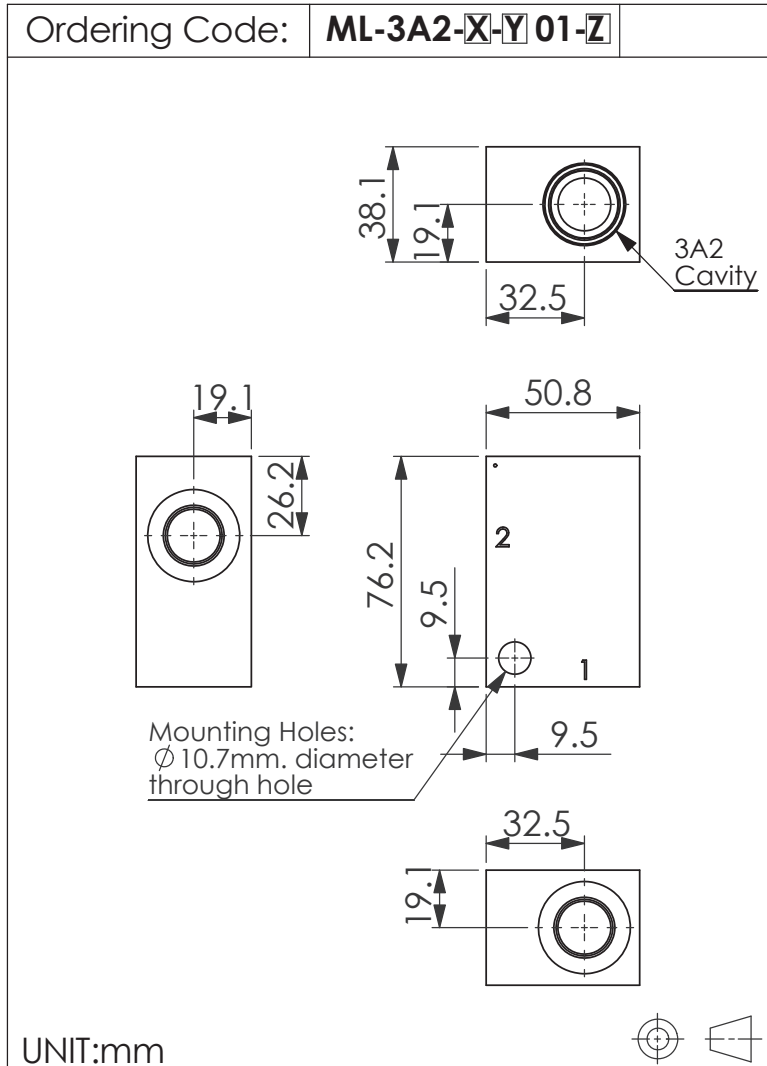
CB3H CB2A33HL (3:1 , 280bar)

CB4J CB2A34JL (4.5:1 , 350bar)

CB0J CB2A30JL (10:1 , 350bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 3A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)
Ductile Iron	0.9 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

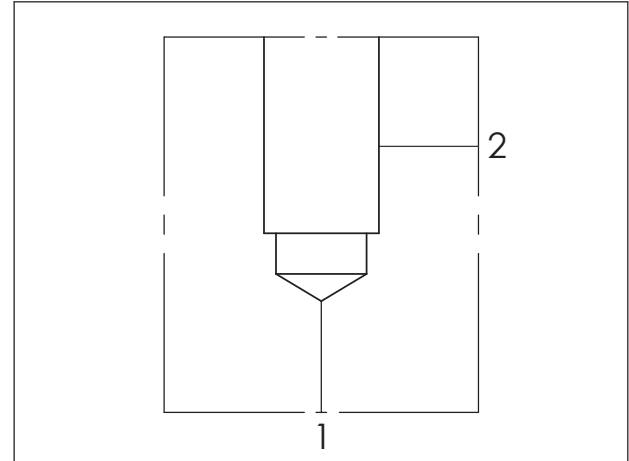
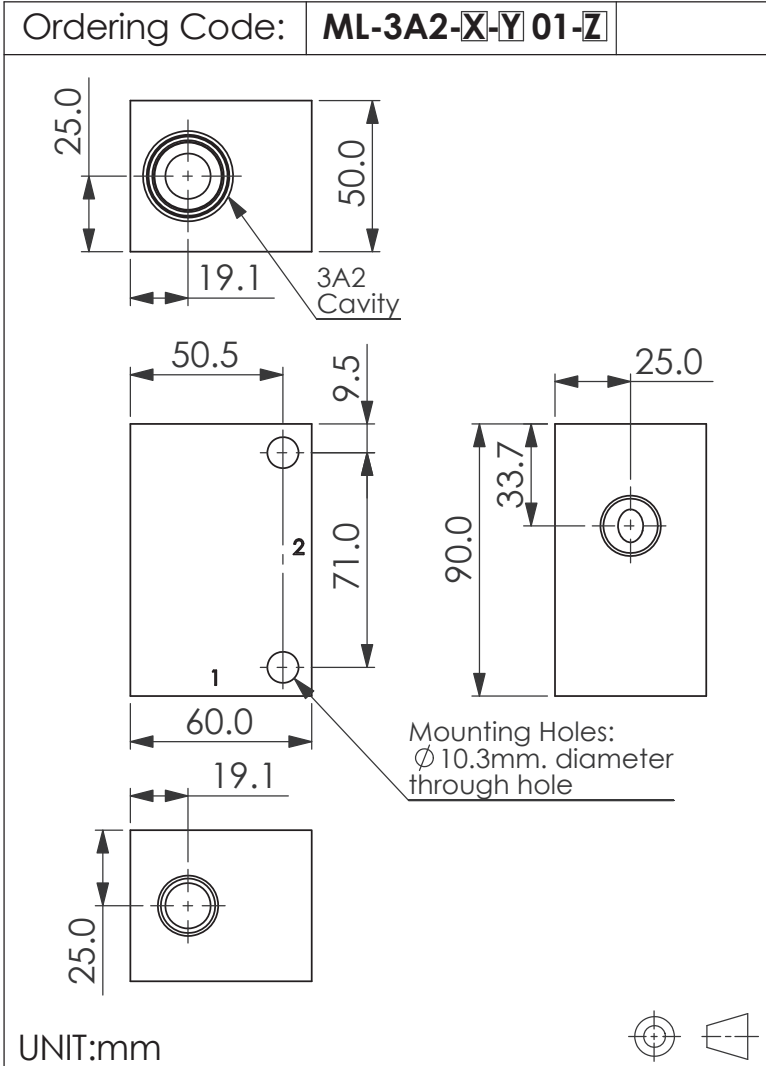
X	PORT SIZE		
	PORT 1	PORT 2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	
P03	3/8"PT	3/8"PT	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP3A20AL(200 LPM,7~210 bar)	
RD5A	RD3A25AL(200 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 3A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.65 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



X	PORT SIZE		
	PORT	PORT	
	1	2	
A04	1/2" NPT	1/2" NPT	

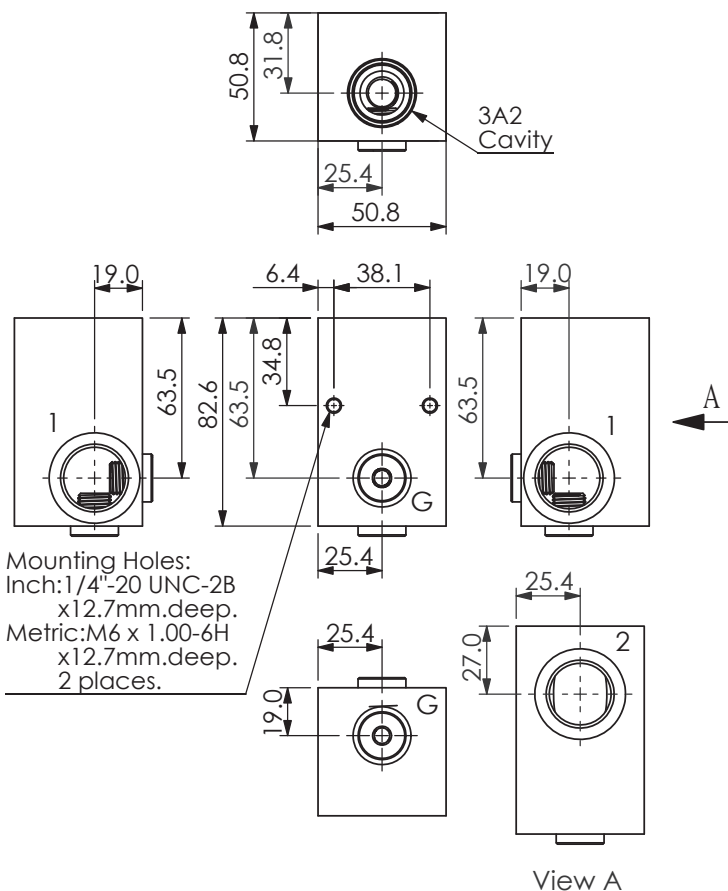
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RP0A	RP3A20AL(200 LPM,7~210 bar)
RD5A	RD3A25AL(200 LPM,35~210 bar)

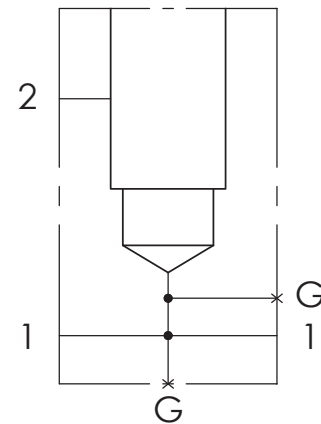
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-3A2-X-Y 02-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 3A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.42 kg(WITHOUT VALVES)
Ductile Iron	1.32 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	
S08G	SAE 8	1/4"NPT	
S10G	SAE 10	1/4"NPT	
S12G	SAE 12	1/4"NPT	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

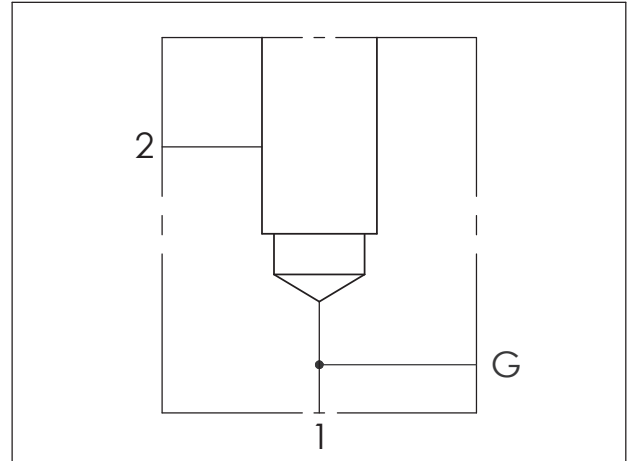
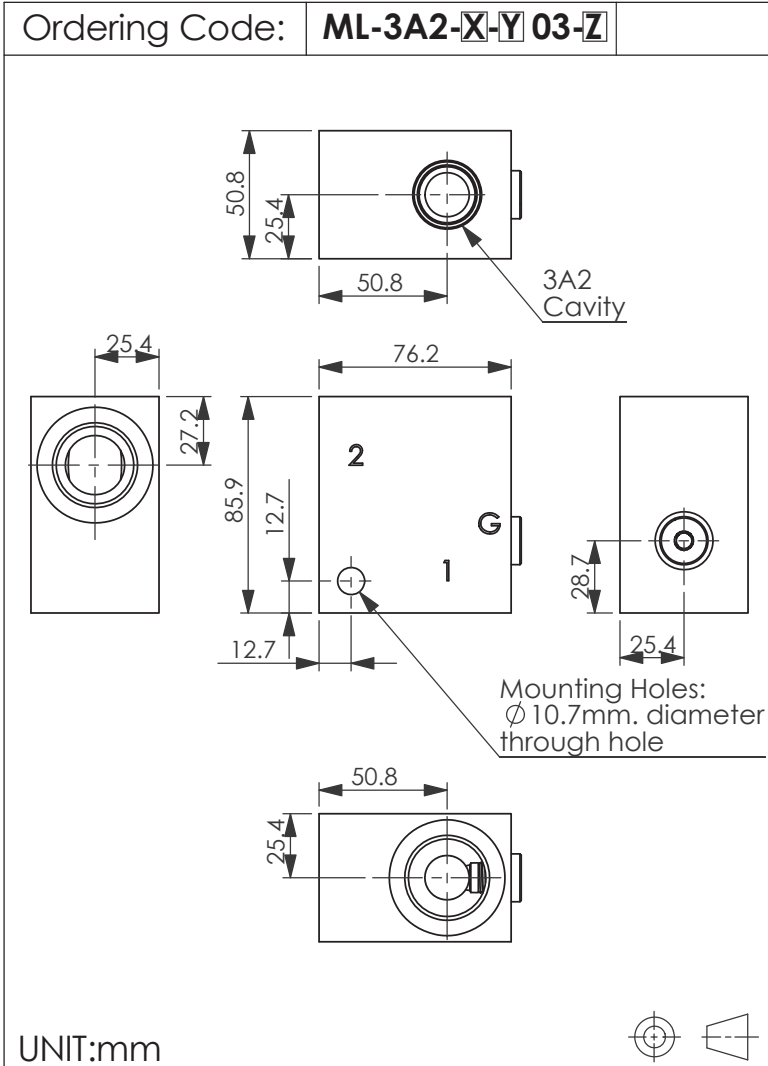
WITHOUT VALVE

RP0A RP3A20AL(200 LPM,7~210 bar)

RD5A RD3A25AL(200 LPM,35~210 bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 3A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.7 kg(WITHOUT VALVES)
Ductile Iron	2.0 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



X	PORT SIZE		
	PORTS	PORT	
	1,2	G	
G08G	G 1"	G 1/4"	
S08G	SAE 8	1/4"NPT	
S10G	SAE 10	1/4"NPT	

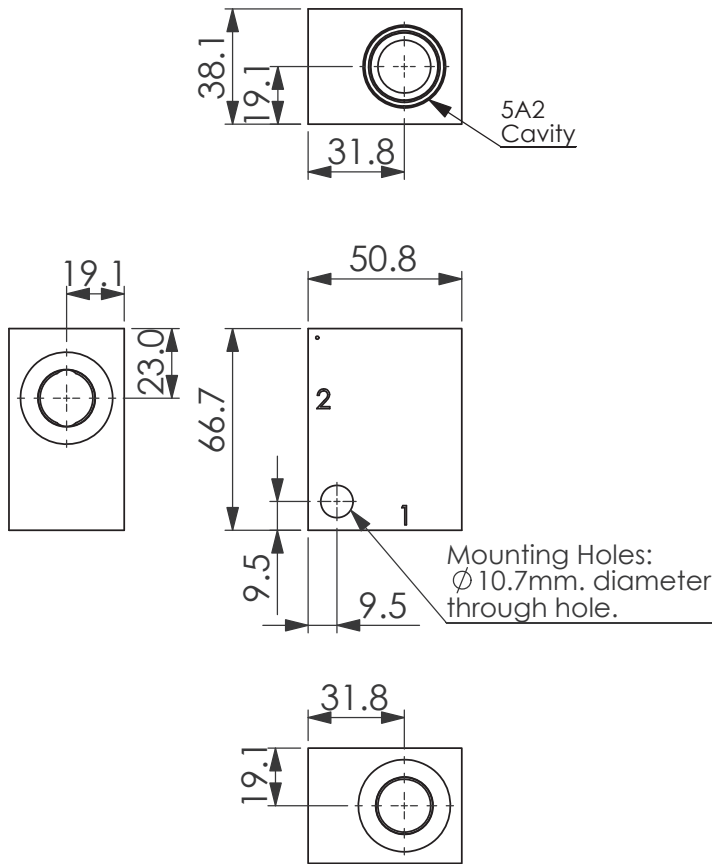
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RP0A	RP3A20AL(200 LPM,7~210 bar)	
RD5A	RD3A25AL(200 LPM,35~210 bar)	

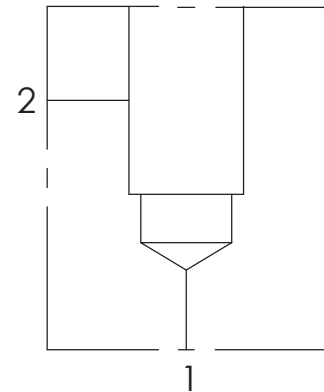
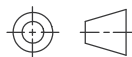
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-5A2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 5A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)
Ductile Iron	0.75 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
S08	SAE 8	SAE 8	
S10	SAE 10	SAE 10	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

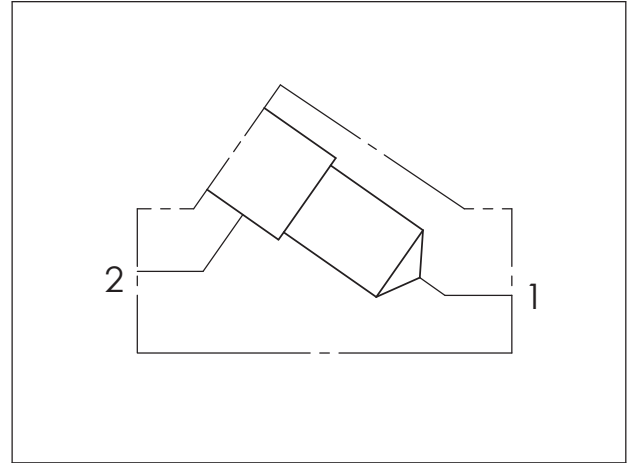
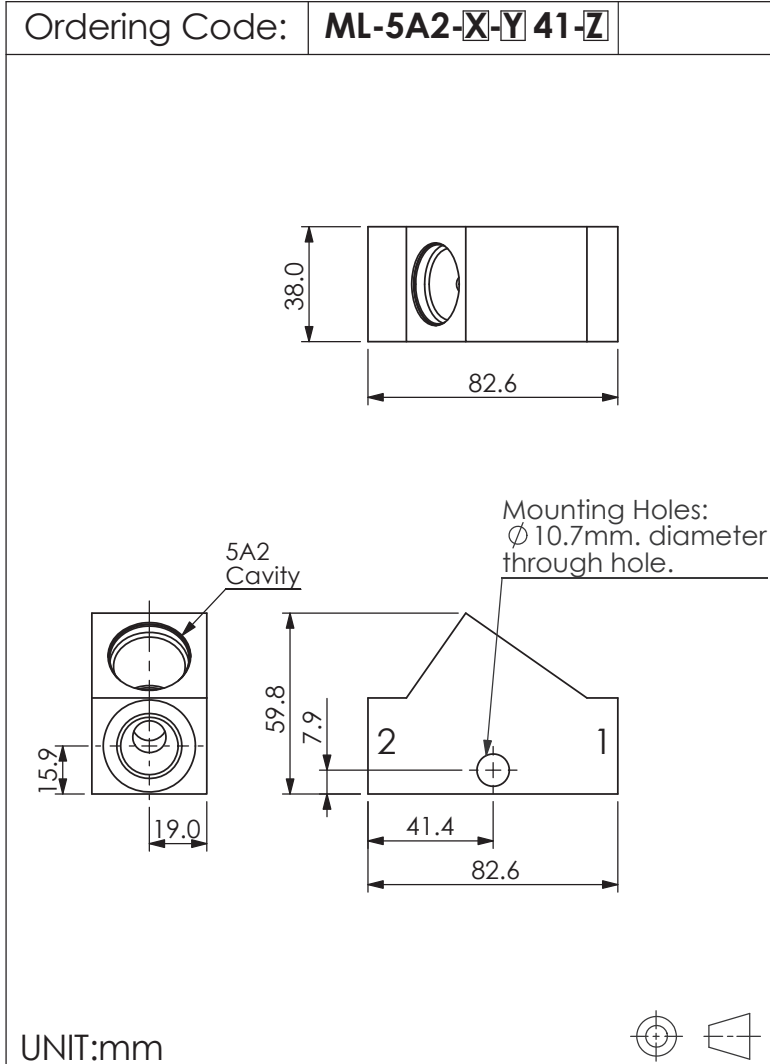
CV03 CV5A2003N(160LPM,0.3bar)

FR0A FR5A20AL(45LPM,350bar)

NV33 NV5A2033L(350bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 5A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)
Ductile Iron	0.69 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV5A2003N(160LPM,0.3bar)	
FR0A	FR5A20AL (45LPM,350bar)	
NV33	NV5A2033L (350bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

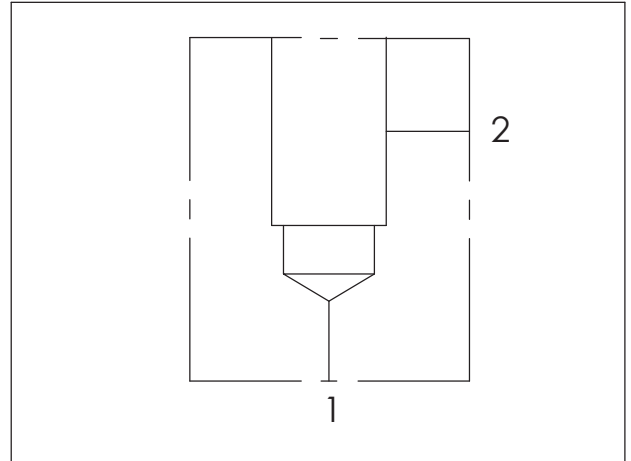
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-8A2-X-Y 01-Z**

8A2 Cavity

Mounting Holes:
Ø8.7mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 8A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)
Ductile Iron	0.7 kg(WITHOUT VALVES)

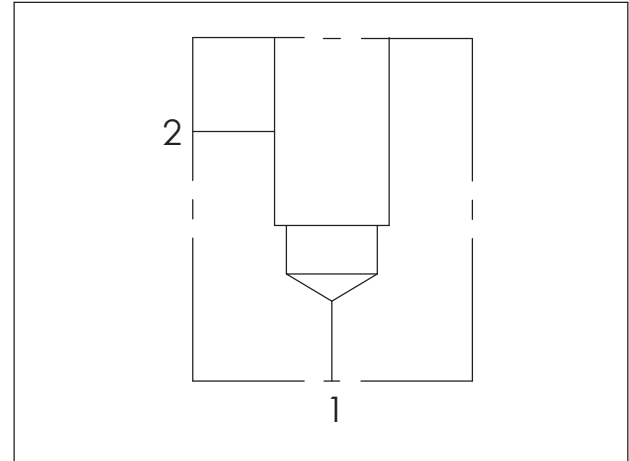
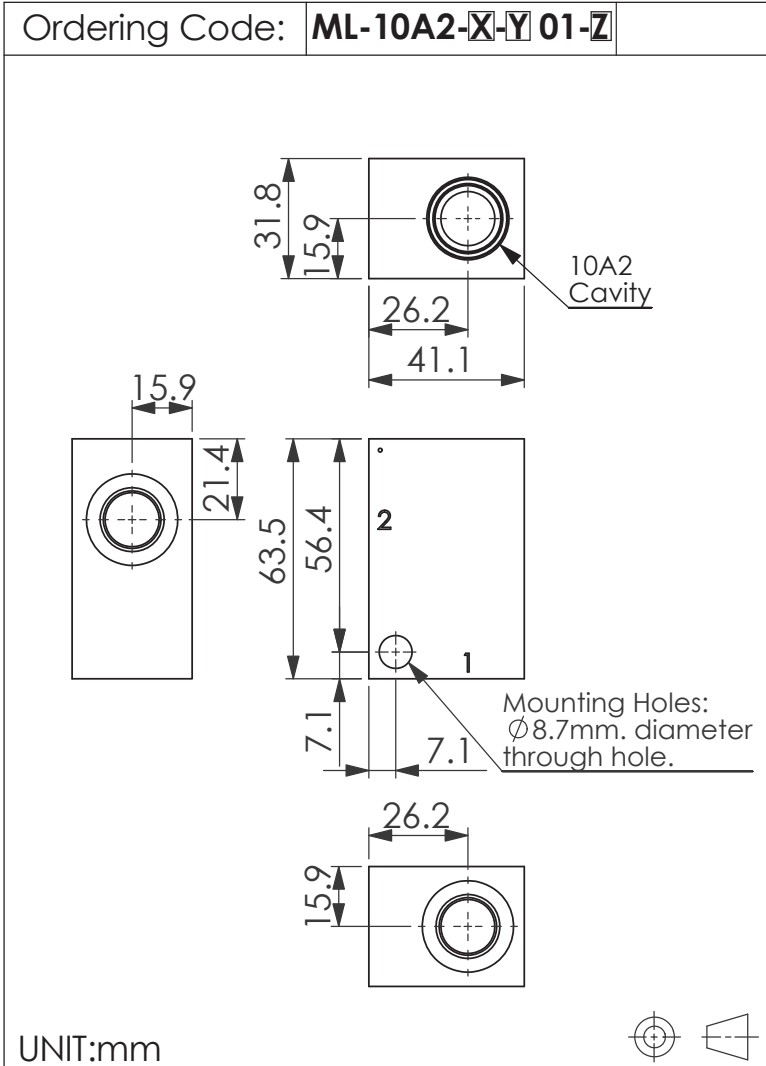
* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G02	G 1/4"	G 1/4"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RBOA	RB8A20AL(10 LPM,1.7~210 bar)	
PRBDA	PRB8A2DAN(1 LPM,20~210 bar)	
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)		

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 10A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.2 kg(WITHOUT VALVES)
Ductile Iron	0.5 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

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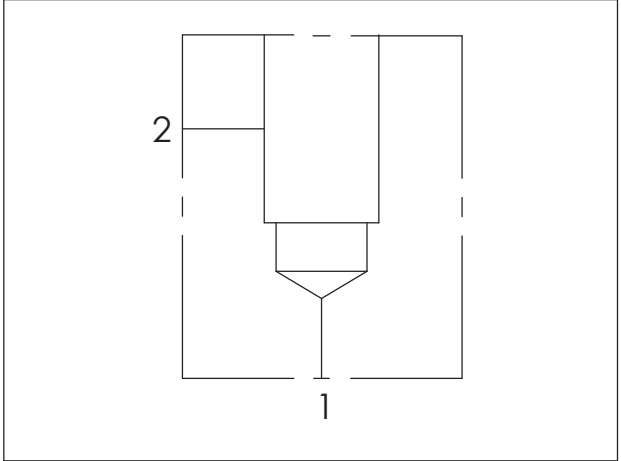
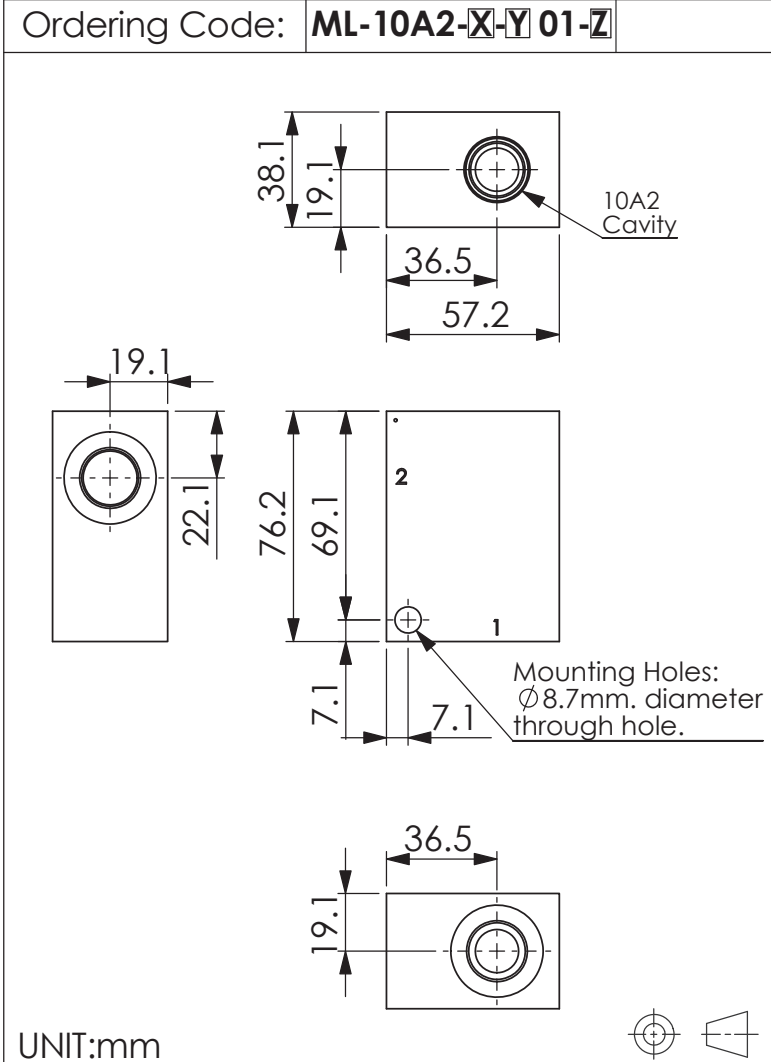
X	PORT SIZE		
	PORT 1	PORT 2	
	G02	G 1/4"	
G03	G 3/8"	G 3/8"	
P03	3/8"PT	3/8"PT	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RP0A	RP10A20AL(95 LPM,7~210 bar)	
RD5A	RD10A25AL(95 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA	
Aluminum Body Pressure Rating:	210 bar
Ductile Iron Body Pressure Rating:	350 bar
Cavity: Refer to 10A2 * Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.4 kg(WITHOUT VALVES)
Ductile Iron	1.1 kg(WITHOUT VALVES)
* If you need the special specification. Please contact us.	

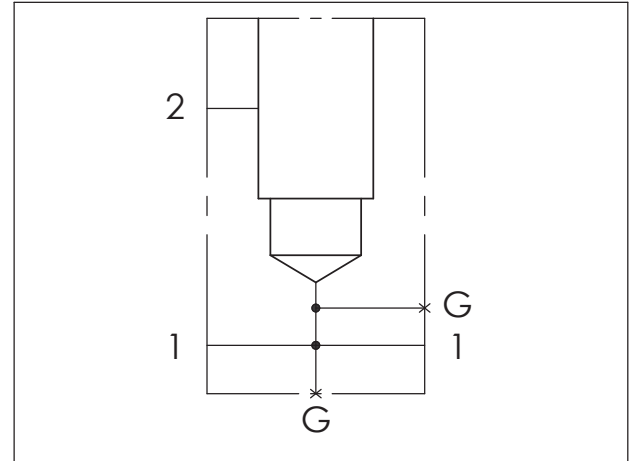
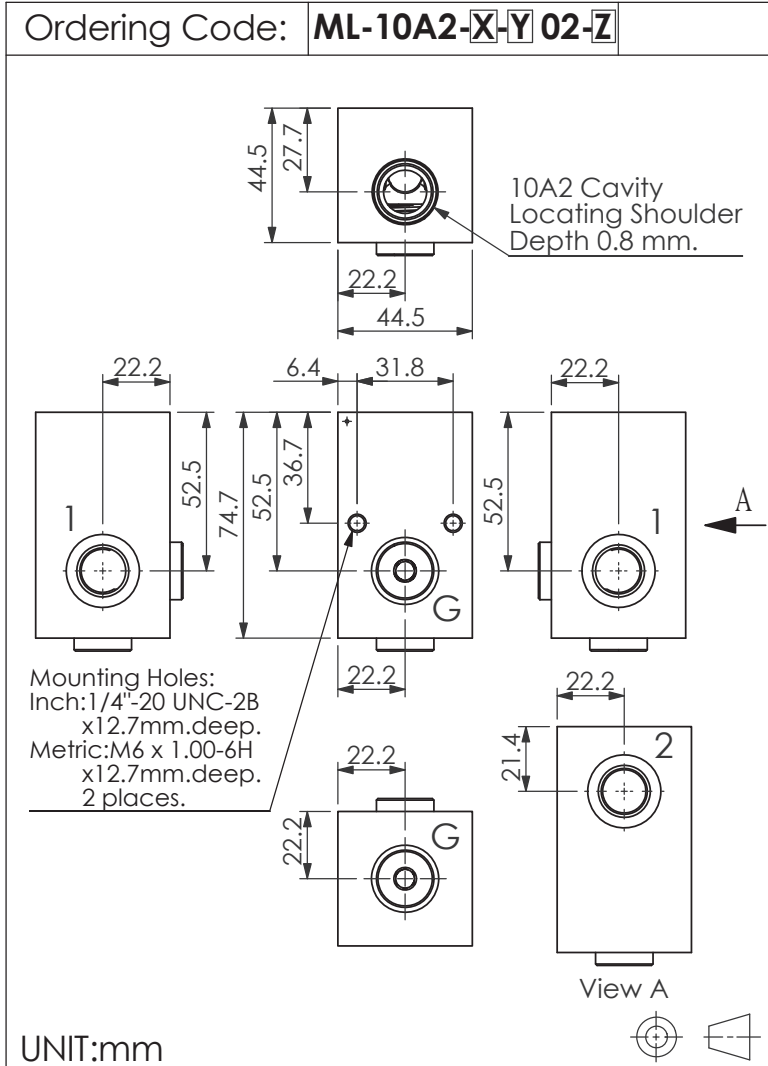
X	PORT SIZE	
	PORT 1	PORT 2
	G04	G 1/2"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RP0A	RP10A20AL(95 LPM,7~210 bar)
RD5A	RD10A25AL(95 LPM,35~210 bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 10A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.32 kg(WITHOUT VALVES)
Ductile Iron	0.94 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORTS 1,2	PORT G	
G03G	G 3/8"	G 1/4"	
G04G	G 1/2"	G 1/4"	
S06G	SAE 6	1/4"NPT	
S08G	SAE 8	1/4"NPT	
S10G	SAE 10	1/4"NPT	

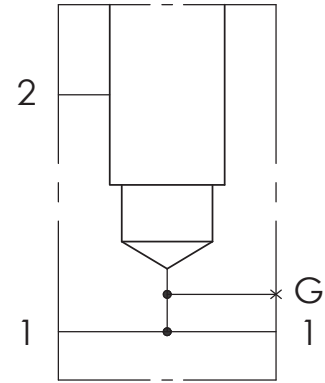
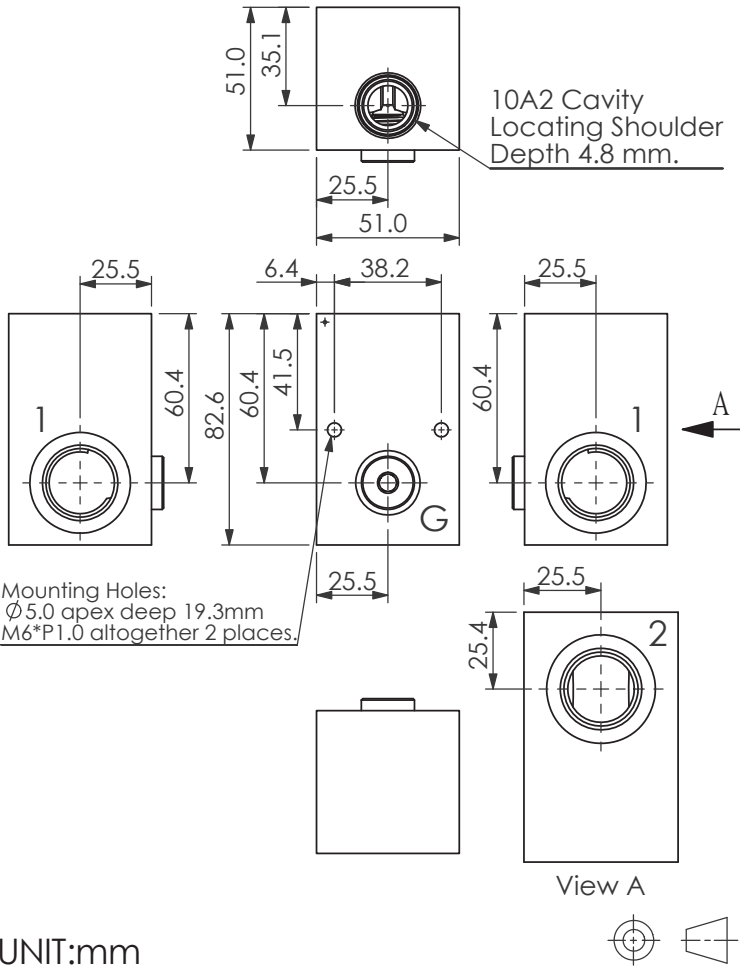
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RP0A	RP10A20AL(95 LPM,7~210 bar)	
RD5A	RD10A25AL(95 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-10A2-X-Y 02-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 10A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.45 kg(WITHOUT VALVES)
Ductile Iron	1.28 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

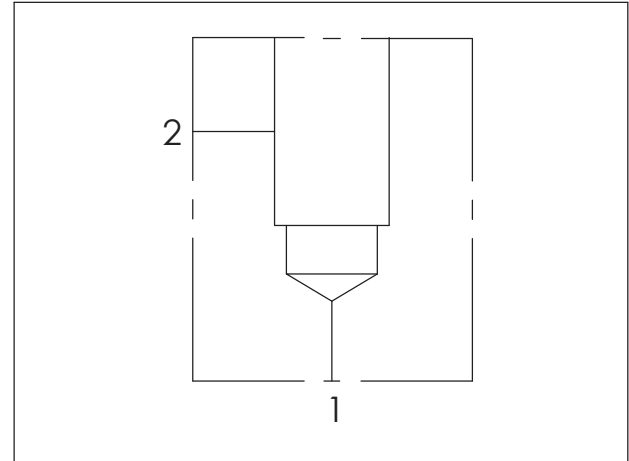
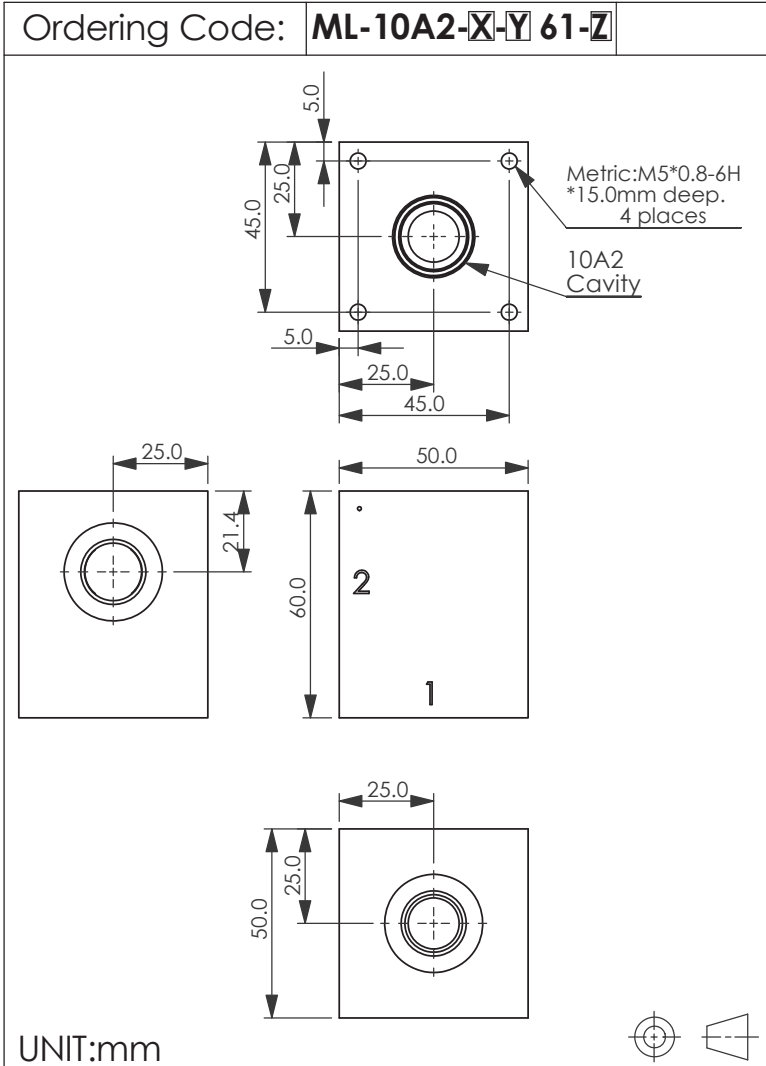
X	PORT SIZE		
	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RP0A	RP10A20AL(95 LPM,7~210 bar)
RD5A	RD10A25AL(95 LPM,35~210 bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 10A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.37 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

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X	PORT SIZE		
	PORT 1	PORT 2	
	G 3/8"	G 3/8"	

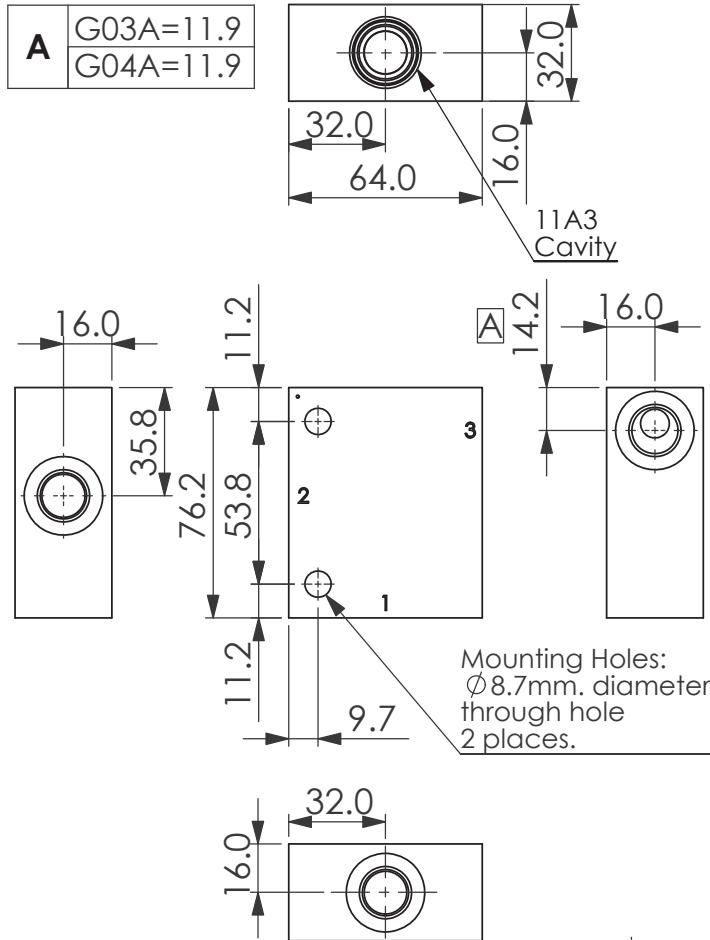
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RP0A	RP10A20AL(95 LPM,7~210 bar)
RD5A	RD10A25AL(95 LPM,35~210 bar)

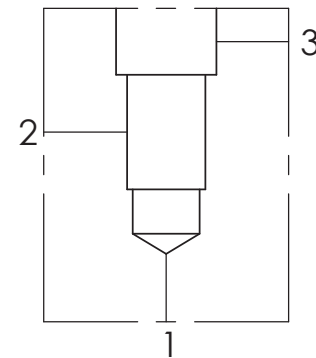
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-11A3-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)
Ductile Iron	0.95 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

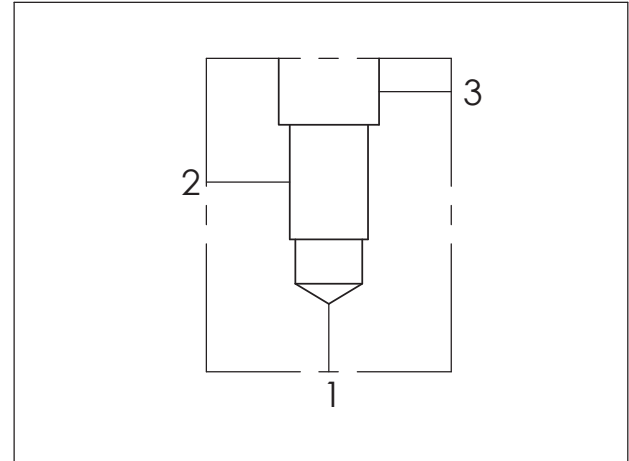
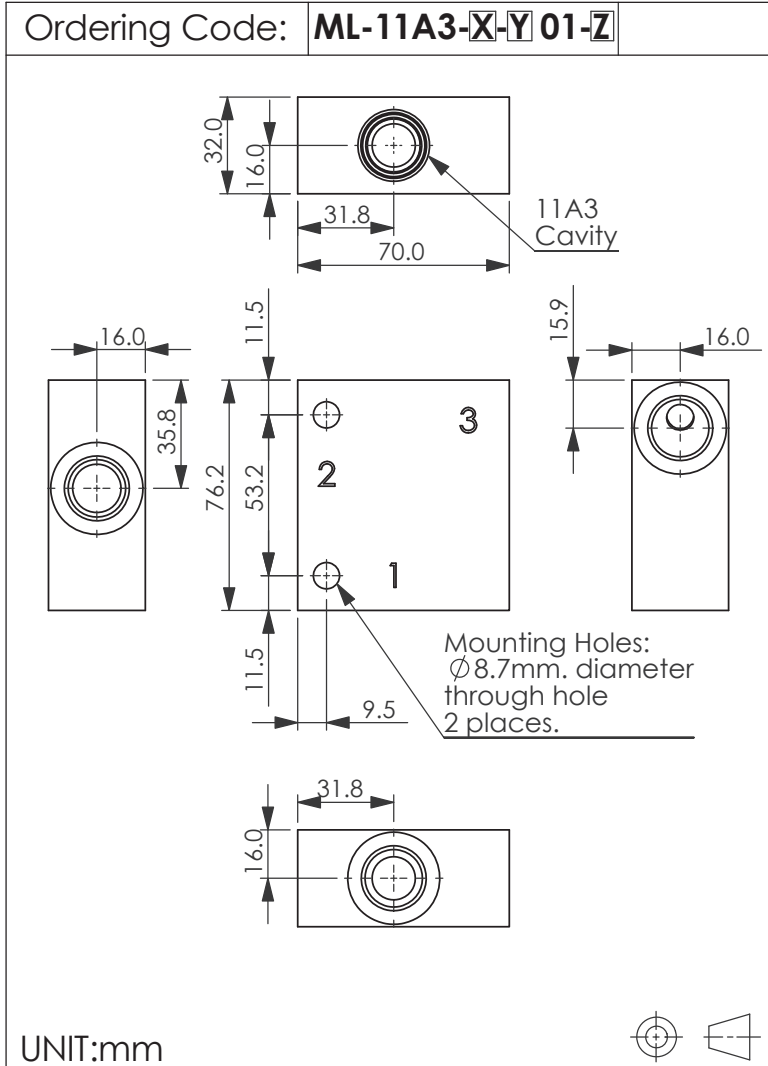
X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
G03A	G 3/8"	G 1/4"	
G04A	G 1/2"	G 1/4"	
G04B	G 1/2"	G 3/8"	
P03	3/8"PT	3/8"PT	
S06	SAE 6	SAE 6	
S08A	SAE 8	SAE 6	
S10A	SAE 10	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RV0A	RV11A30AL(60LPM,7-210bar)	
CB3H	CB11A33HL (60LPM,70-280bar)	
CO20	CO11A3020N (60LPM,2.0bar)	
CC20	CC11A3020N (60LPM,2.0bar)	
SPOA	SP11A30AL (60LPM,7-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.37 kg(WITHOUT VALVES)
Ductile Iron	0.97 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

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X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G04	G 1/2"	G 1/2"	

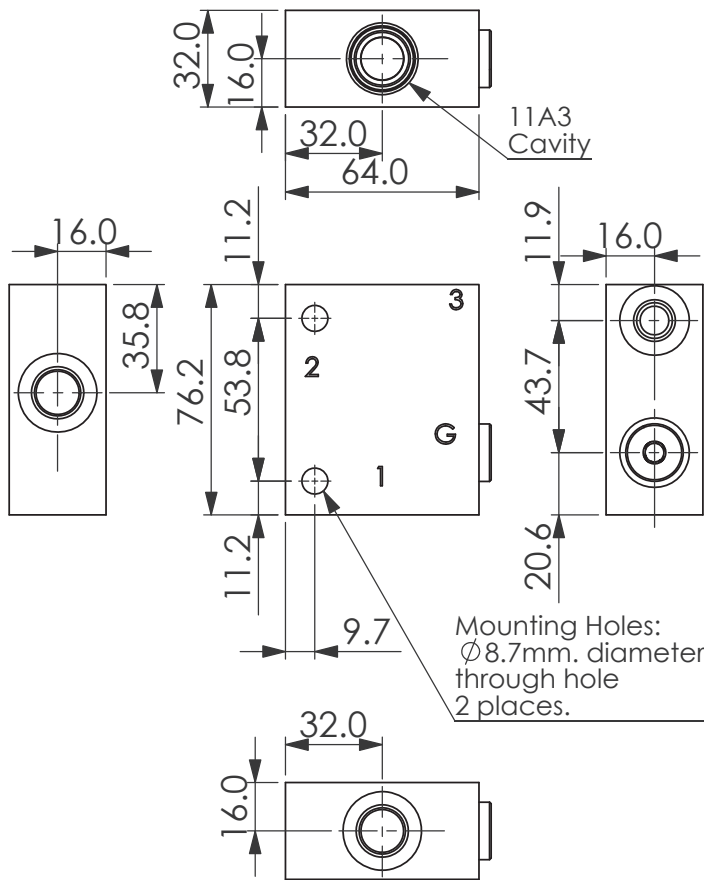
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
PPOA	PP11A30AL (40LPM,7-210bar)	
PDOA	PD11A30AL (40LPM,35-210bar)	

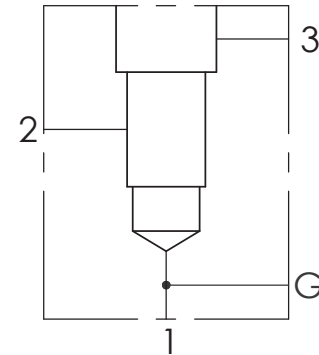
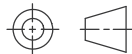
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-11A3-X-Y 02-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)
Ductile Iron	0.97 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G03AG	G 3/8"	G 1/4"	G 1/4"
S06G	SAE 6	SAE 6	1/4"NPT

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RV0A	RV11A30AL(60LPM,7-210bar)	
CB3H	CB11A33HL (60LPM,70-280bar)	
CO20	CO11A3020N (60LPM,2.0bar)	
CC20	CC11A3020N (60LPM,2.0bar)	
SPOA	SP11A30AL (60LPM,7-210bar)	
PBOA	PB11A30AL (40LPM,7-210bar)	

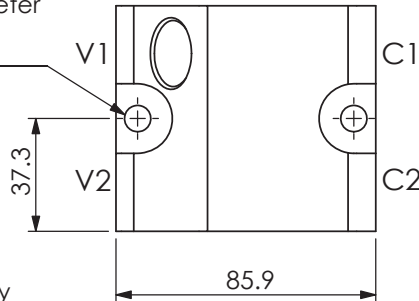
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

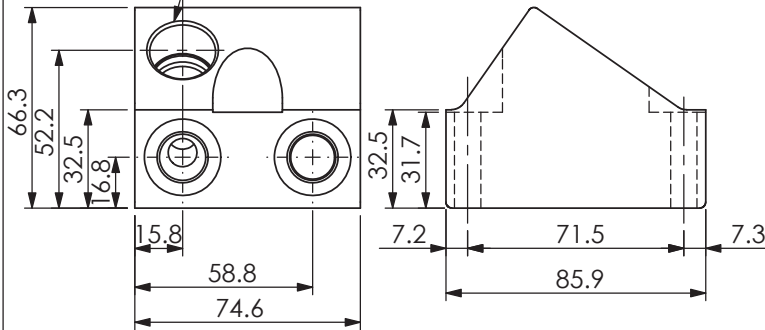
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-11A3-X-Y 41-Z**

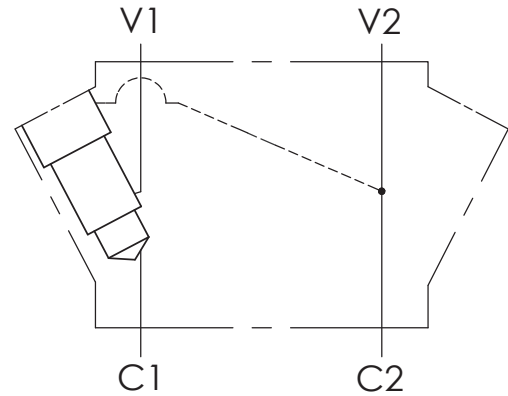
Mounting Holes:
Ø8.7mm. diameter
through hole.
2 places.



11A3 Cavity
Locating Shoulder
Depth 17.5 mm.



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.68 kg(WITHOUT VALVES)
Ductile Iron	1.96 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X

PORT SIZE

PORTS	PORTS	
	V1,V2	C1,C2
G03	G 3/8"	G 3/8"

Y

BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z

CARTRIDGE VALVES SELECTION

WITHOUT VALVE

CB3H CB11A33HL (3:1,70-280bar)

CO03 CO11A3003N (0.3bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

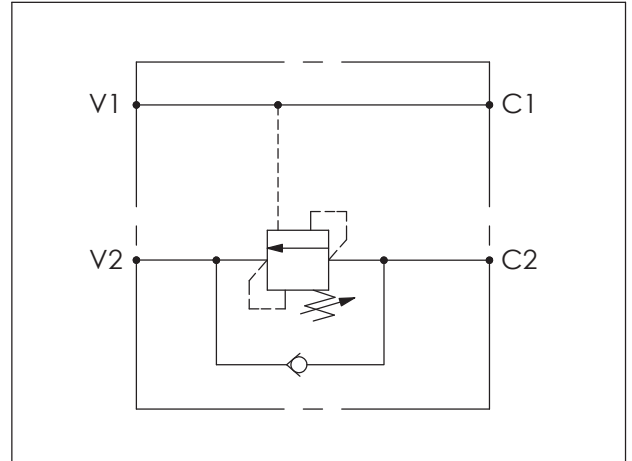
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-11A3-X-Y 02-Z**

Stack Height : 32.0mm

Mounting Holes:
6.5mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

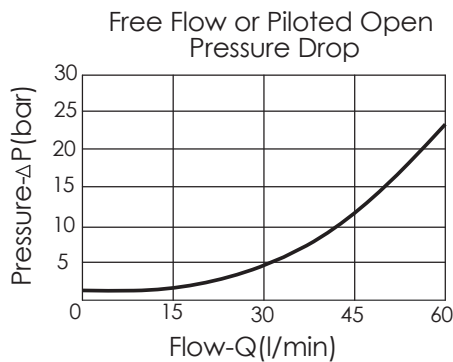
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 60 l/min

Cartridge Valve:
 Refer to CB11A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES) 0.55 kg(INCLUDE VALVES)
Ductile Iron	1.0 kg(WITHOUT VALVES) 1.2 kg(INCLUDE VALVES)

* If you need the special specification.
 Please contact us.



Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

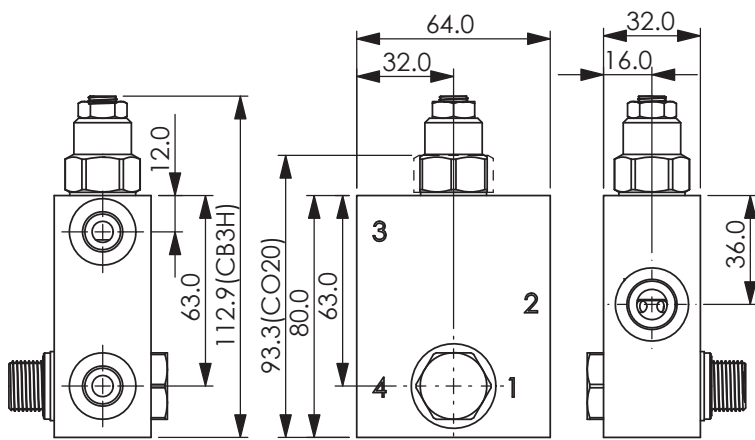
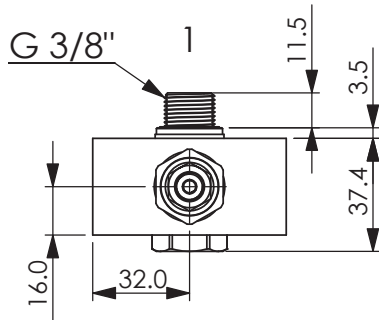
X	PORT SIZE		
	PORTS V1,V2	PORTS C1,C2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
S06	SAE 6	SAE 6	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CB3H	CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1 , 350bar)	

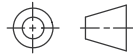
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-11A3-X-Y 05-Z**



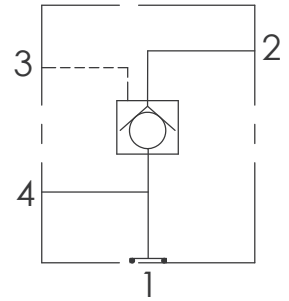
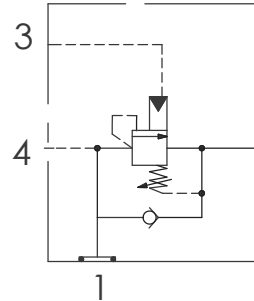
UNIT:mm



Ordering Code:

ML-11A3-G03A-A05-CB3H

ML-11A3-G03A-A05-CO20



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

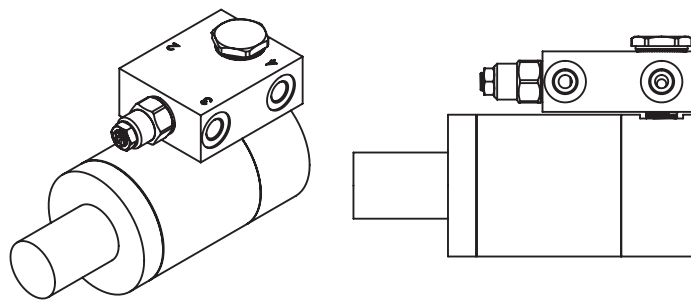
Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.45 kg(WITHOUT VALVES)
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Ductile Iron	1.04 kg(WITHOUT VALVES)
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* If you need the special specification. Please contact us.



PORT SIZE

X	PORTS	PORTS	
	1,2	3,4	
G03A	G 3/8"	G 1/4"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

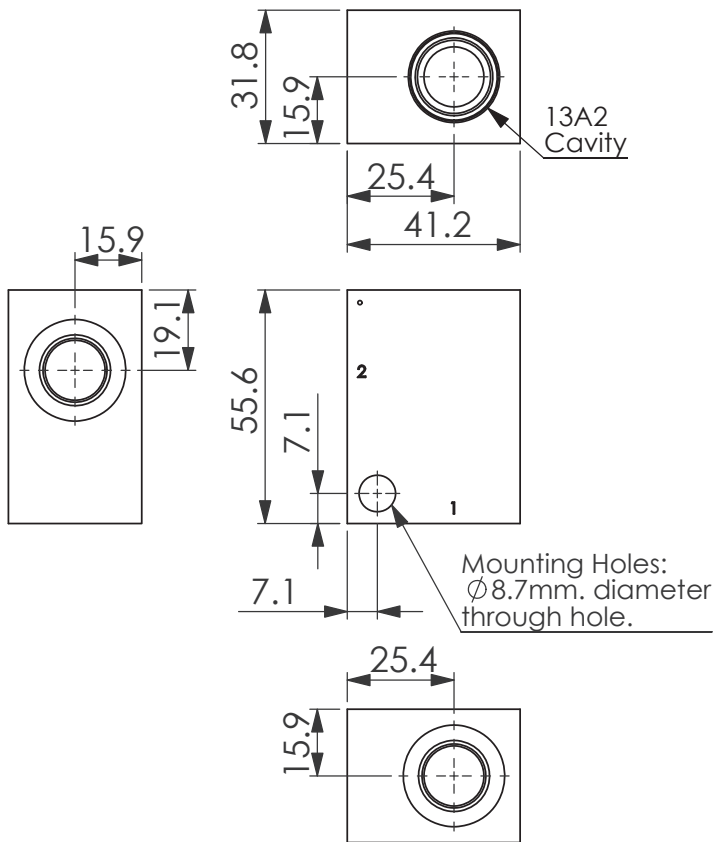
CB3H CB11A33HL (3:1 , 280bar)

CO20 CO11A3020N (60LPM , 2.0bar)

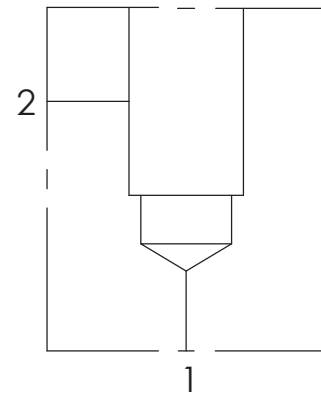
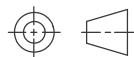
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-13A2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 13A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.17 kg(WITHOUT VALVES)
Ductile Iron	0.38 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
P03	3/8"PT	3/8"PT	
A03	3/8"NPT	3/8"NPT	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

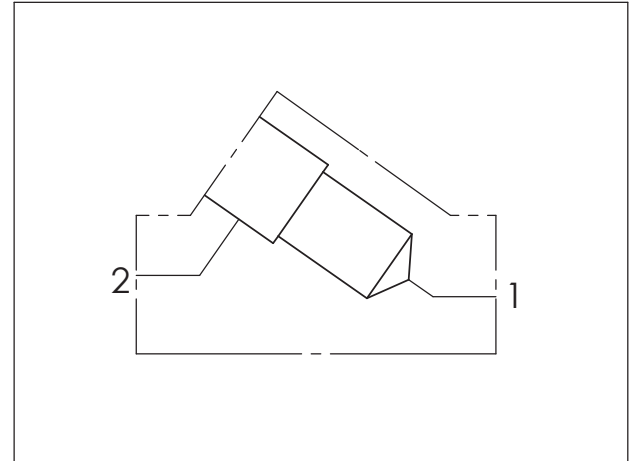
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV13A2003N (80LPM,0.3bar)	
NV48	NV13A2048L (350bar)	
NCBA	NC13A21BAL (350bar)	
FROA	FR13A20AL (0.4-23LPM,350bar)	
LS0G	LS13A20NG04 (10LPM)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-13A2-X-Y 41-Z**

UNIT:mm



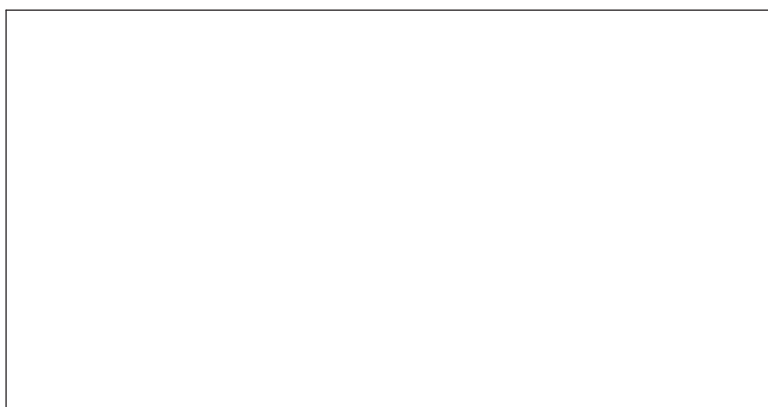
TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 13A2
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.14 kg(WITHOUT VALVES)
Ductile Iron	0.42 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



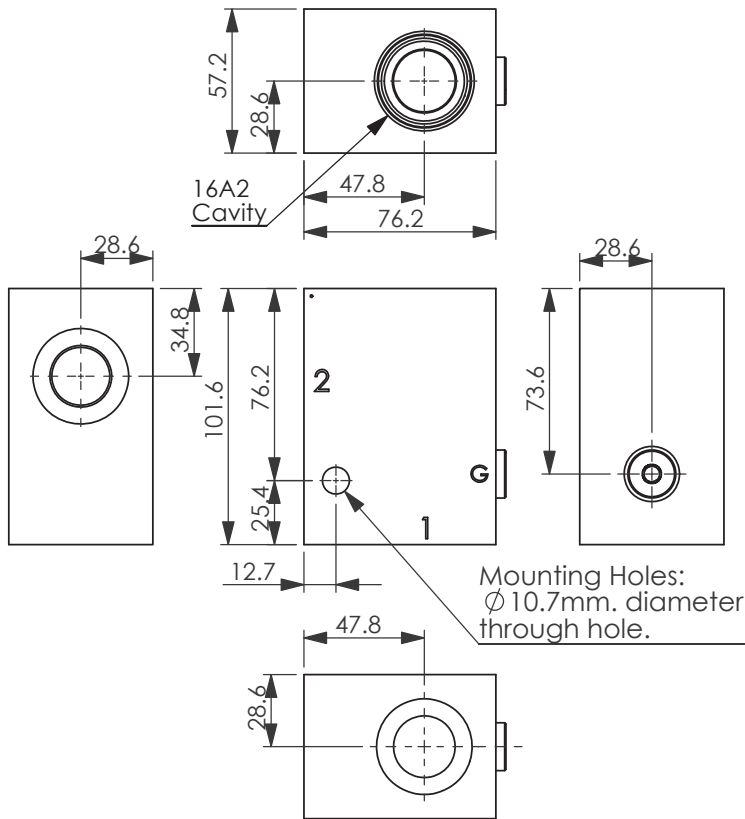
X	PORT SIZE		
	PORT 1	PORT 2	
	G03	G 3/8"	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

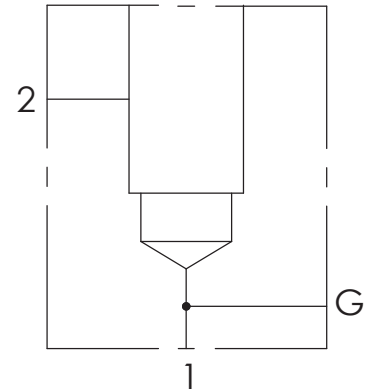
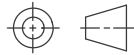
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV13A2003N(80LPM,0.3bar)	
NV48	NV13A2048L (350bar)	
NCBA	NC13A21BAL (0.3bar)	
FR0A	FR13A20AL (23LPM,350bar)	
LS0G	LS13A20NG04 (10LPM)	
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)		

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-16A2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 16A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.97 kg(WITHOUT VALVES)
Ductile Iron	2.58 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	
G08G	G 1"	G 1/4"	
G10G	G 1-1/4"	G 1/4"	
S12G	SAE 12	1/4"NPT	
S16G	SAE 16	1/4"NPT	

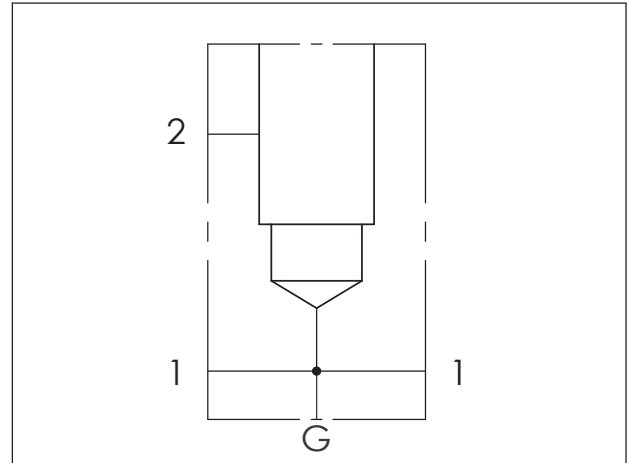
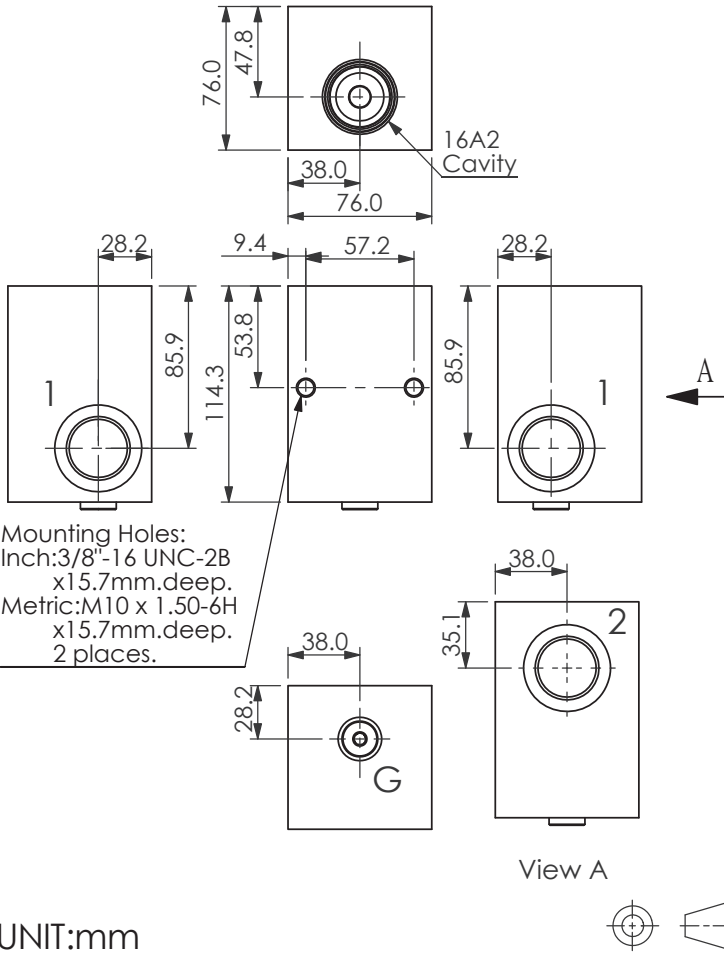
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP16A20AL(380 LPM,7~210 bar)	
CV03	CV16A2003N (320LPM,0.3bar)	
FROA	FR16A20AL (0.8-95LPM)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-16A2-X-Y 02-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 16A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.4 kg(WITHOUT VALVES)
Ductile Iron	3.9 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	
G08G	G 1"	G 1/4"	
G10G	G 1-1/4"	G 1/4"	
S12G	SAE 12	1/4"NPT	

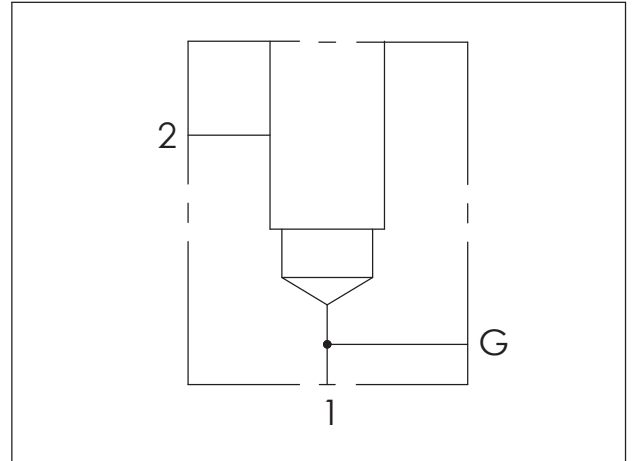
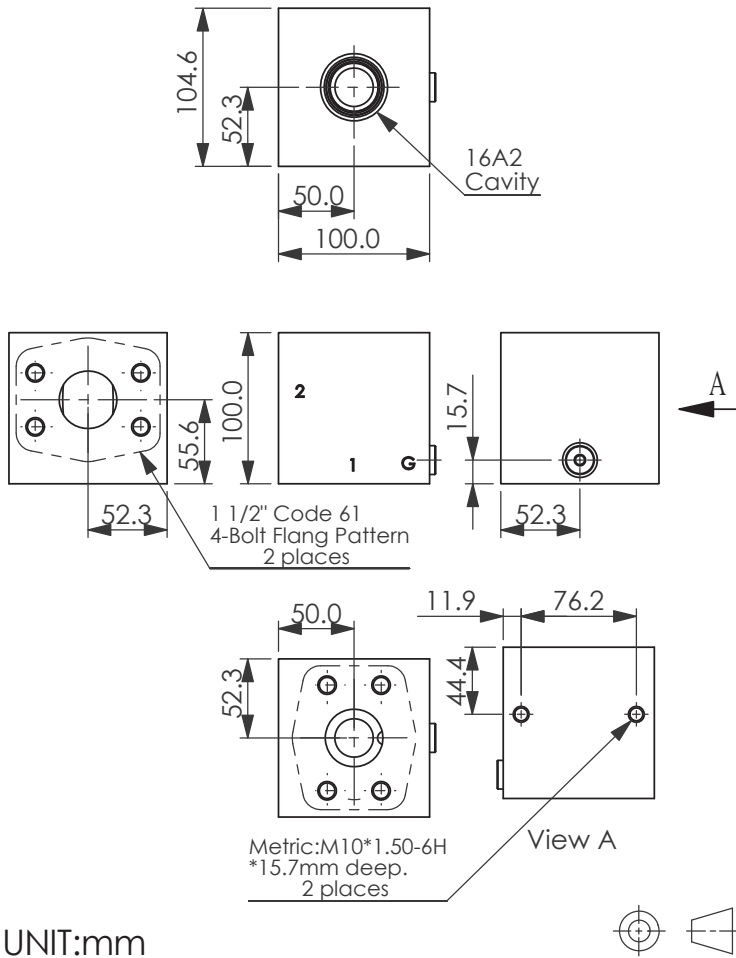
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP16A20AL(380 LPM,7~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-16A2-X-Y 03-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 16A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	2.4 kg(WITHOUT VALVES)
Ductile Iron	6.8 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

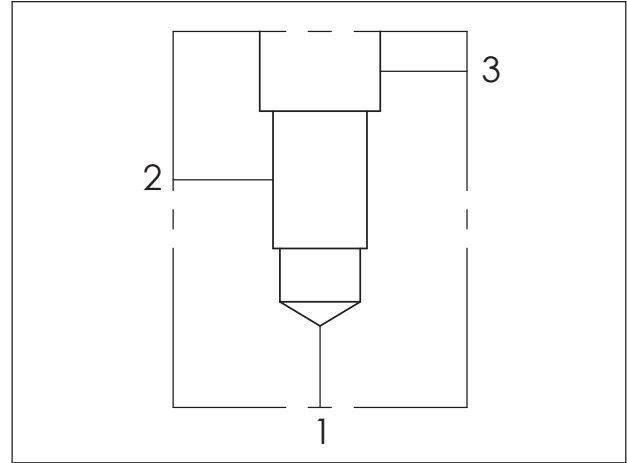
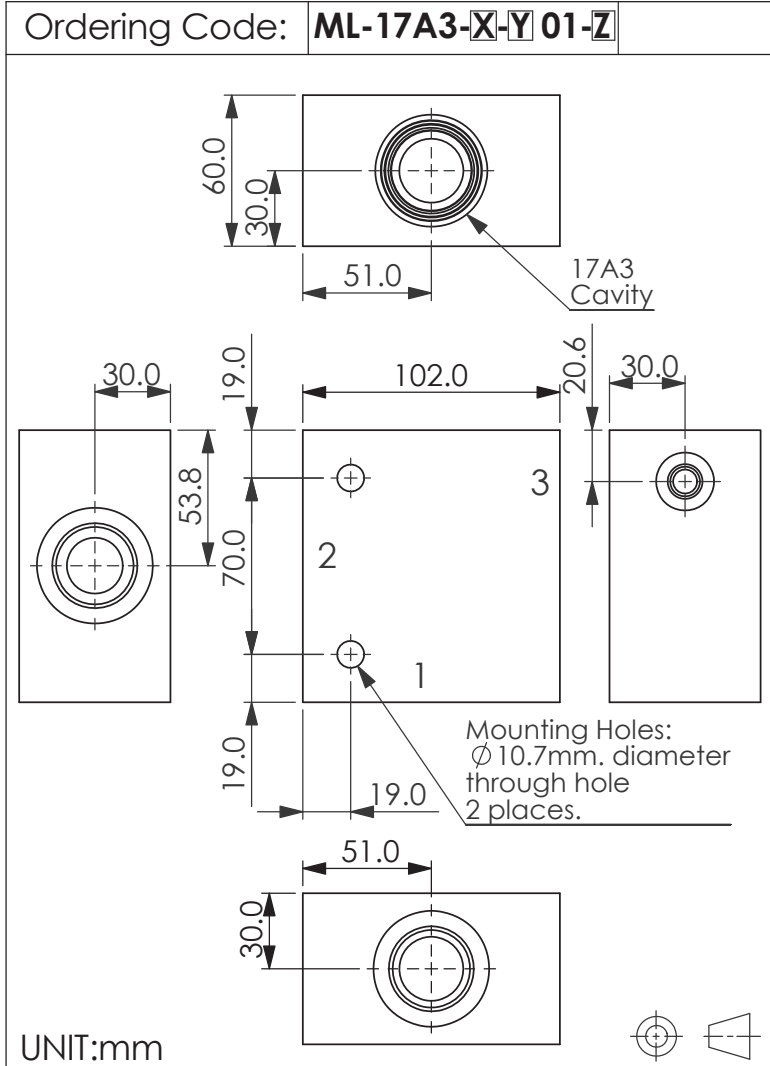
X	PORT SIZE	
	PORTS	PORT
	1,2	G
F30G	1 1/2" Code 61 4-Bolt Flang Pattern	G 1/4"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RPOA	RP16A20AL(380 LPM,7~210 bar)
CV03	CV16A2003N (320LPM,0.3bar)
FROA	FR16A20AL (0.8-95LPM)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)
Ductile Iron	4.2 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

--	--

X	PORT SIZE	
	PORTS	PORT
	1,2	3
G08A	G 1"	G 1/4"
G10A	G 1-1/4"	G 1/4"
S16A	SAE 16	SAE 6
P03	3/8"PT	3/8"PT

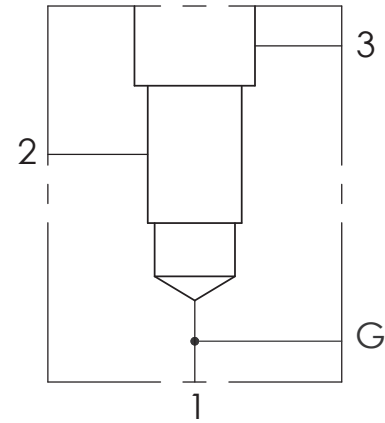
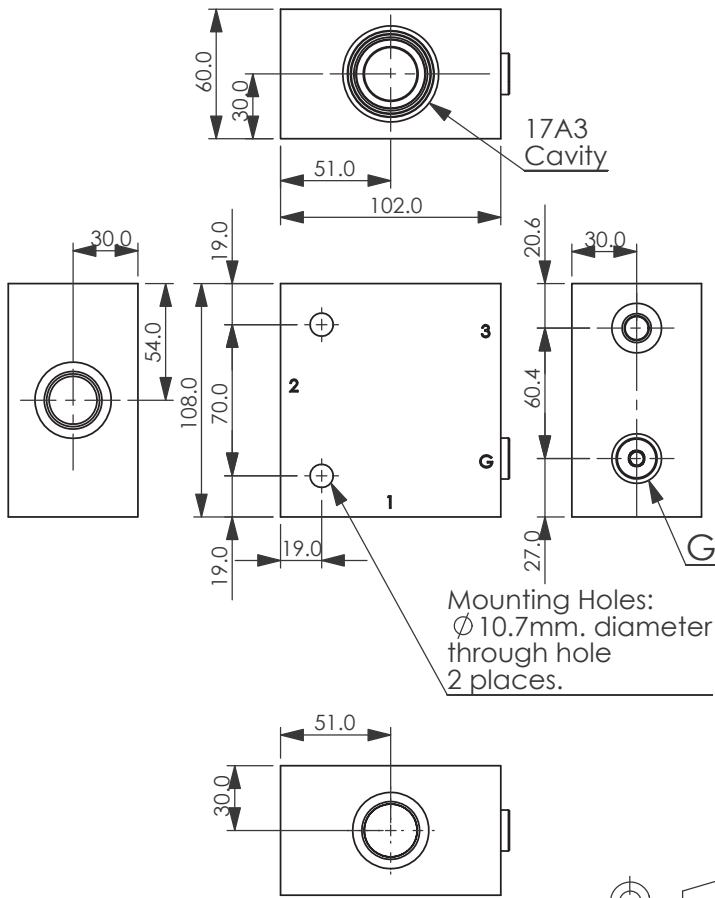
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
WITHOUT VALVE	
RV0A	RV17A30AL (240LPM,7-210bar)
CBCH	CB17A3CHL (3:1,70-280bar)
CO20	CO17A3020N (240LPM,2.0bar)
CC20	CC17A3020N (320LPM,2.0bar)
PB0A	PB17A30AL (160LPM,7-210bar)
SPOA	SP17A30AL (240LPM,7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-17A3-X-Y 02-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)
Ductile Iron	4.2 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORTS	PORT	PORT
	1,2	3	G
G06AG	G 3/4"	G 1/4"	G 1/4"
S16AG	SAE 16	SAE 12	1/4"NPT

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE	
RV0A	RV17A30AL (240LPM,7-210bar)
CBCH	CB17A3CHL (3:1,70-280bar)
CO20	CO17A3020N (240LPM,2.0bar)
CC20	CC17A3020N (320LPM,2.0bar)
PBOA	PB17A30AL (160LPM,7-210bar)

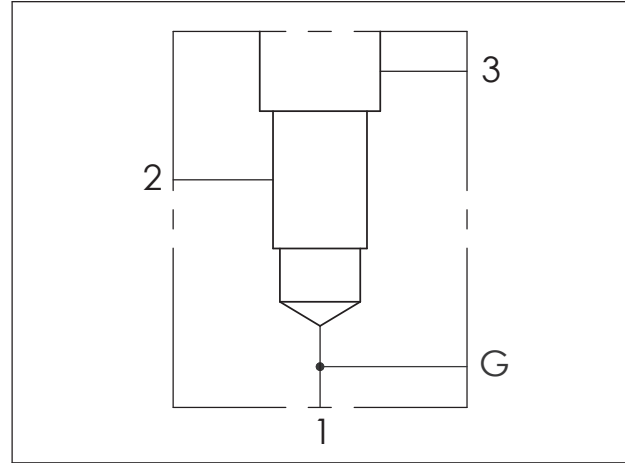
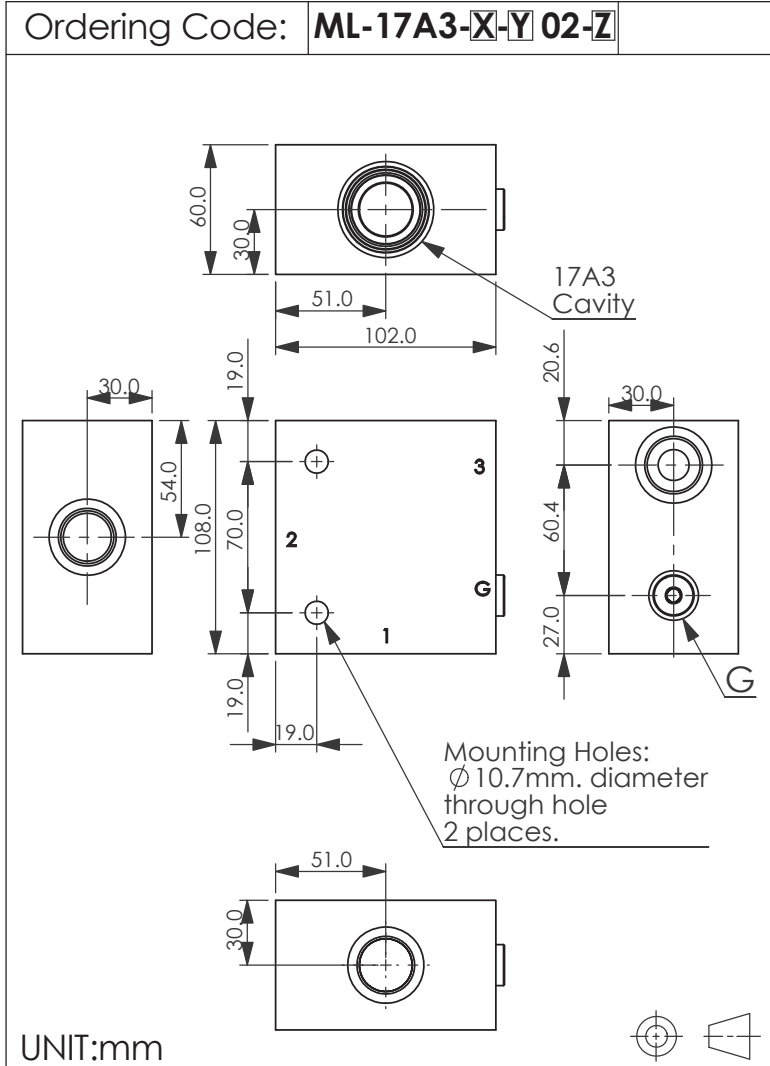
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)
Ductile Iron	4.0 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

--

X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G06G	G 3/4"	G 3/4"	G 1/4"
S12G	SAE 12	SAE 12	1/4"NPT

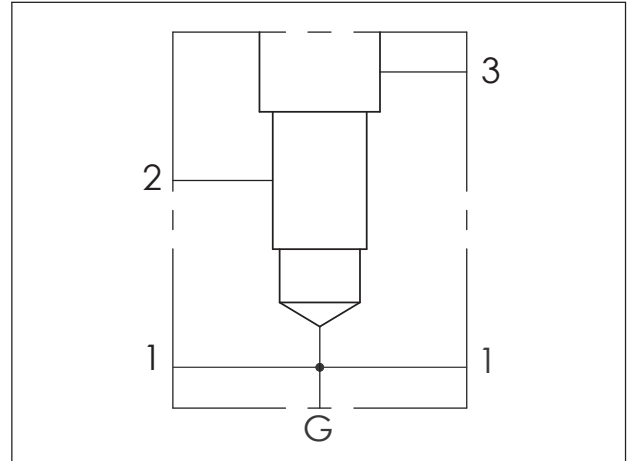
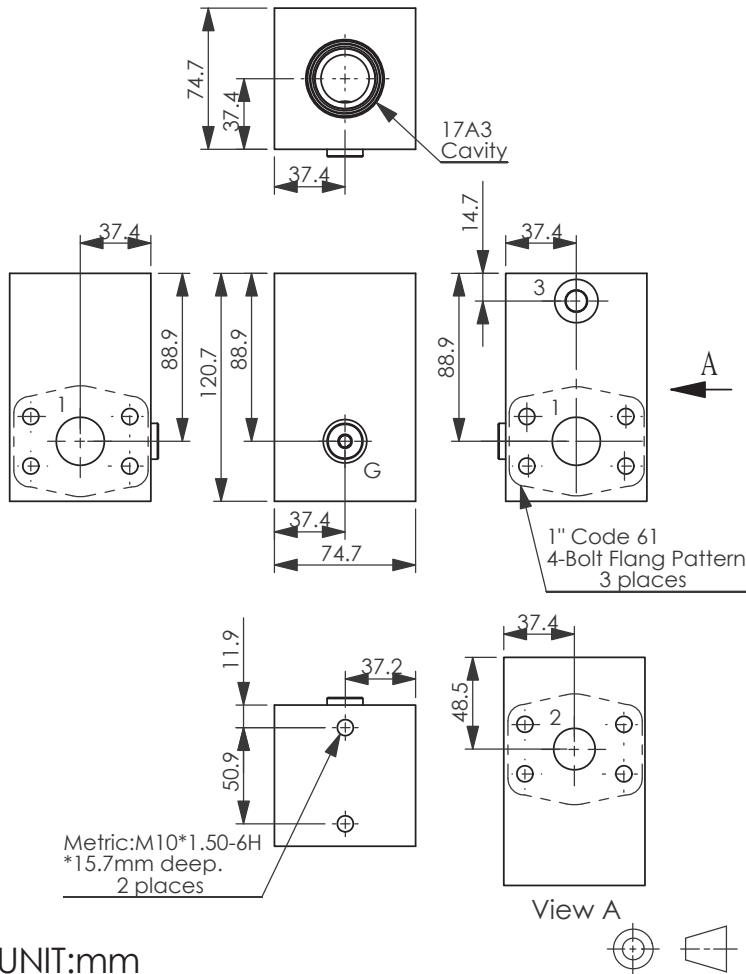
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
PPOA	PP17A30AL (160LPM,7-210bar)	
PD0A	PD17A30AL (160LPM,50-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-17A3-X-Y 03-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)
Ductile Iron	4.2 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

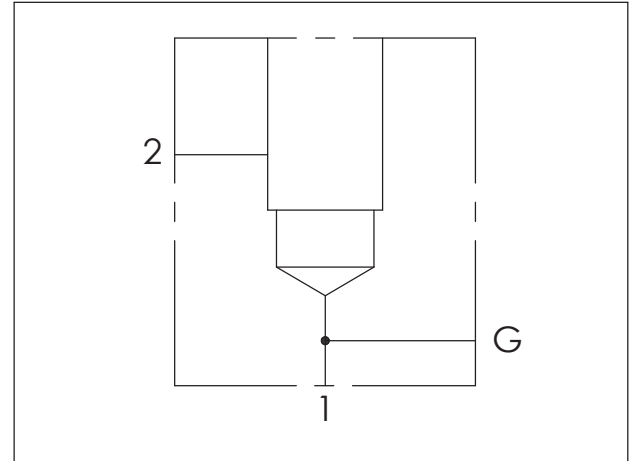
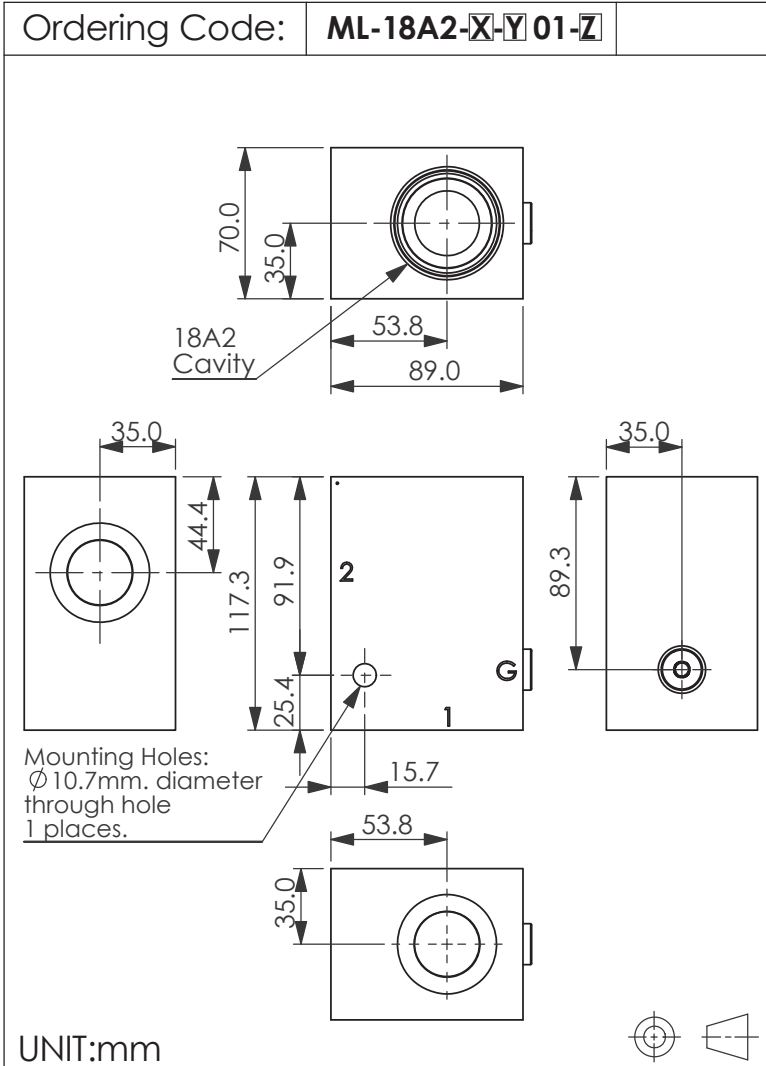
		PORT SIZE		
X	PORTS	PORT	PORT	
	1,2	3	G	
F50G	1" Code 61 4-Bolt Flang Pattern	G1/4"	G 1/4"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RV0A	RV17A30AL (240LPM,7-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 18A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.45 kg(WITHOUT VALVES)
Ductile Iron	4.1 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2	G	
G08G	G 1"	G 1/4"	
G10G	G 1-1/4"	G 1/4"	
S16G	SAE 16	1/4"NPT	

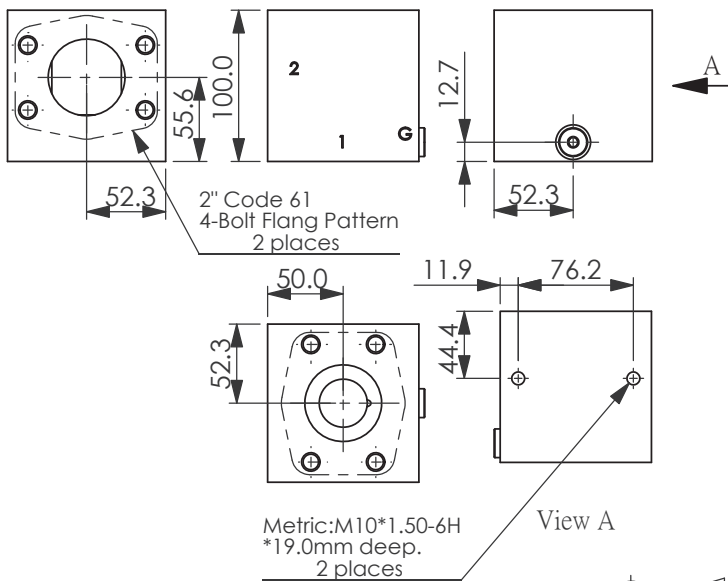
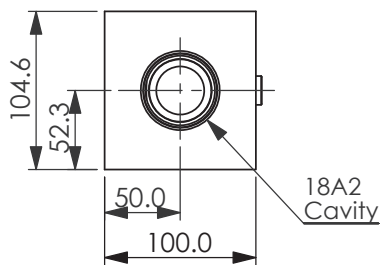
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RP0A	RP18A20AL (760LPM,7-210bar)	
CV03	CV18A2003N (640LPM,0.3bar)	
FROA	FR18A20AL (1.0 to 200LPM)	

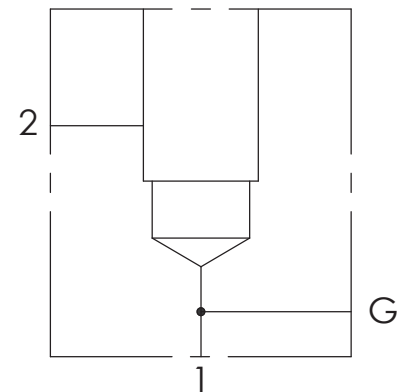
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-18A2-X-Y 02-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 18A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	2.4 kg(WITHOUT VALVES)
Ductile Iron	6.2 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORTS	PORT	
	1,2	G	
F30G	2" Code 61 4-Bolt Flang Pattern	G 1/4"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

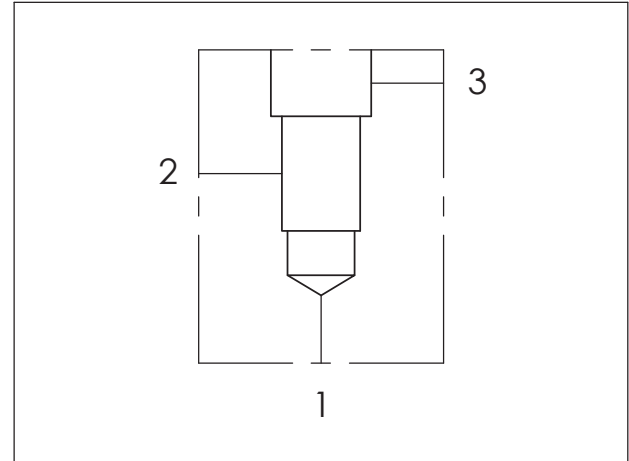
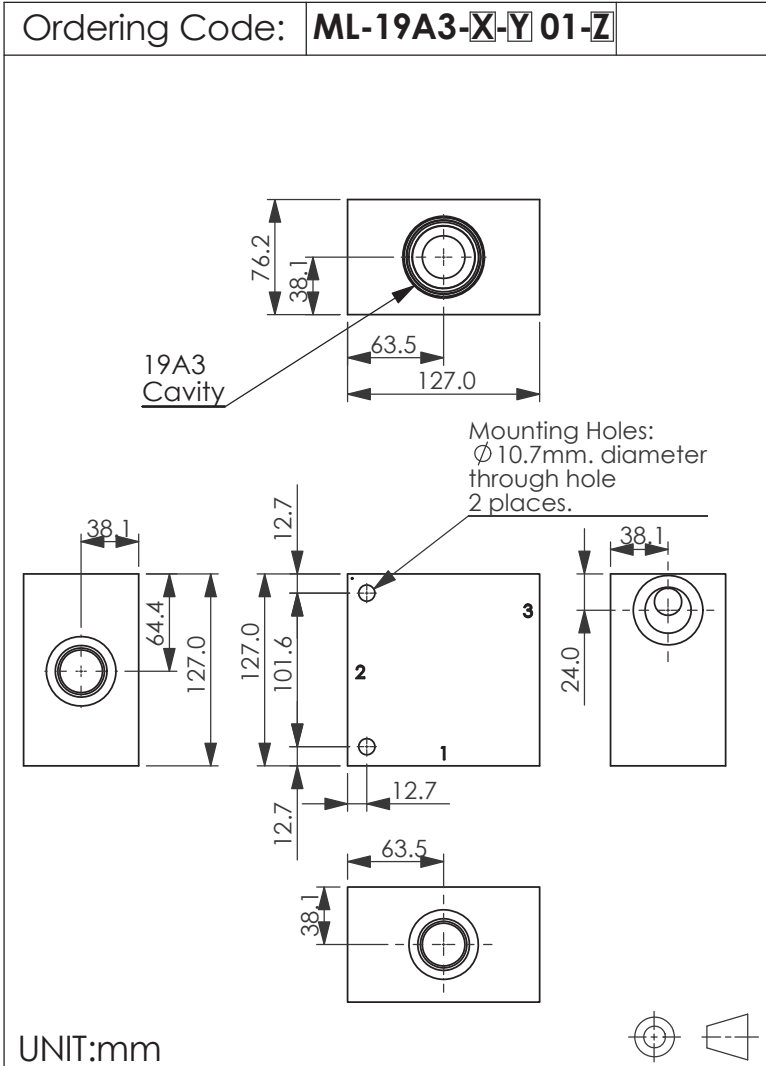
RPOA RP18A20AL (760LPM,7-210bar)

CV03 CV18A2003N (640LPM,0.3bar)

FROA FR18A20AL (1.0 to 200LPM)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 19A3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.61 kg(WITHOUT VALVES)
Ductile Iron	7.65 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G08	G 1"	G 1"	

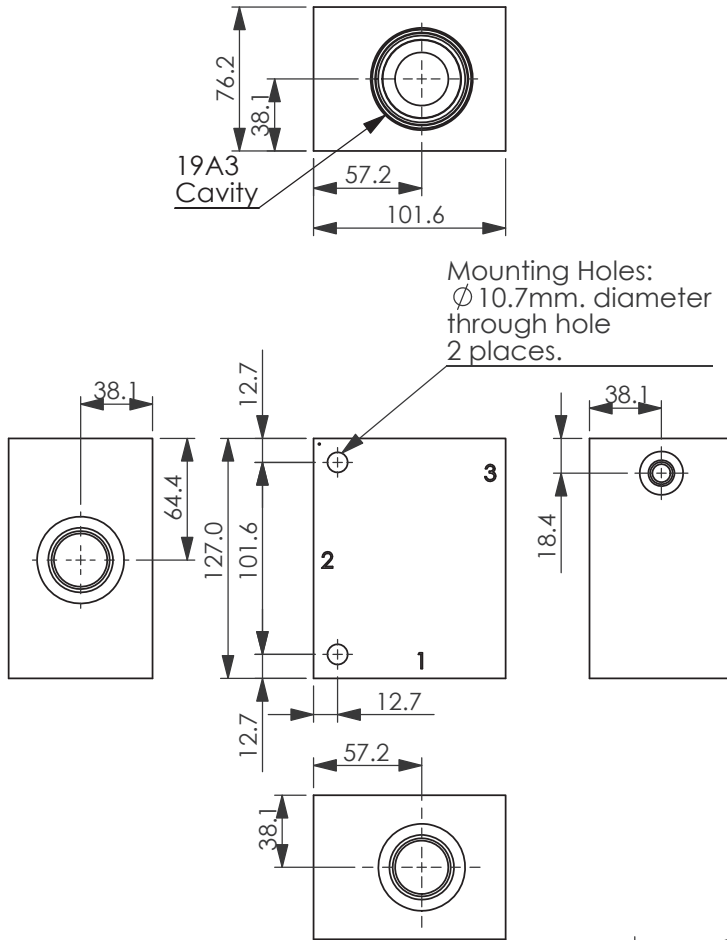
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
PPOA	PP19A30AL (320LPM,7-210bar)	
PD0A	PD19A30AL (320LPM,50-210bar)	

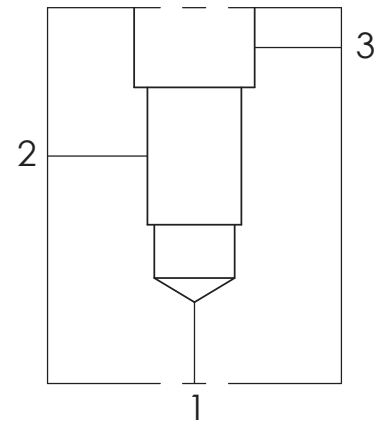
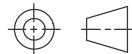
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-19A3-X-Y 02-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 19A3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.05 kg(WITHOUT VALVES)
Ductile Iron	5.65 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS	PORT	
	1,2	3	
G08A	G 1"	G 1/4"	
G10A	G 1-1/4"	G 1/4"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

RV0A RV19A30AL (480LPM,7-210bar)

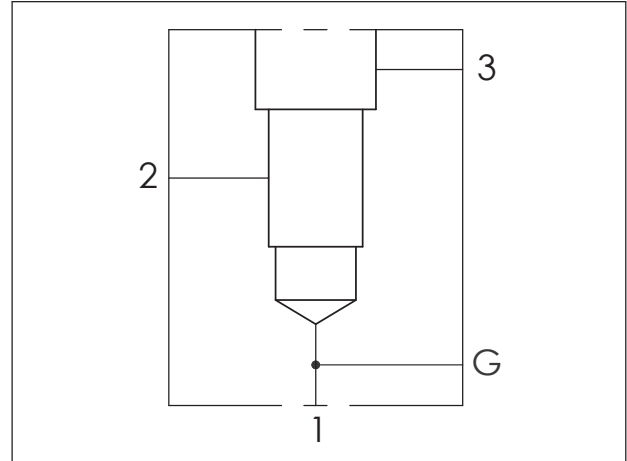
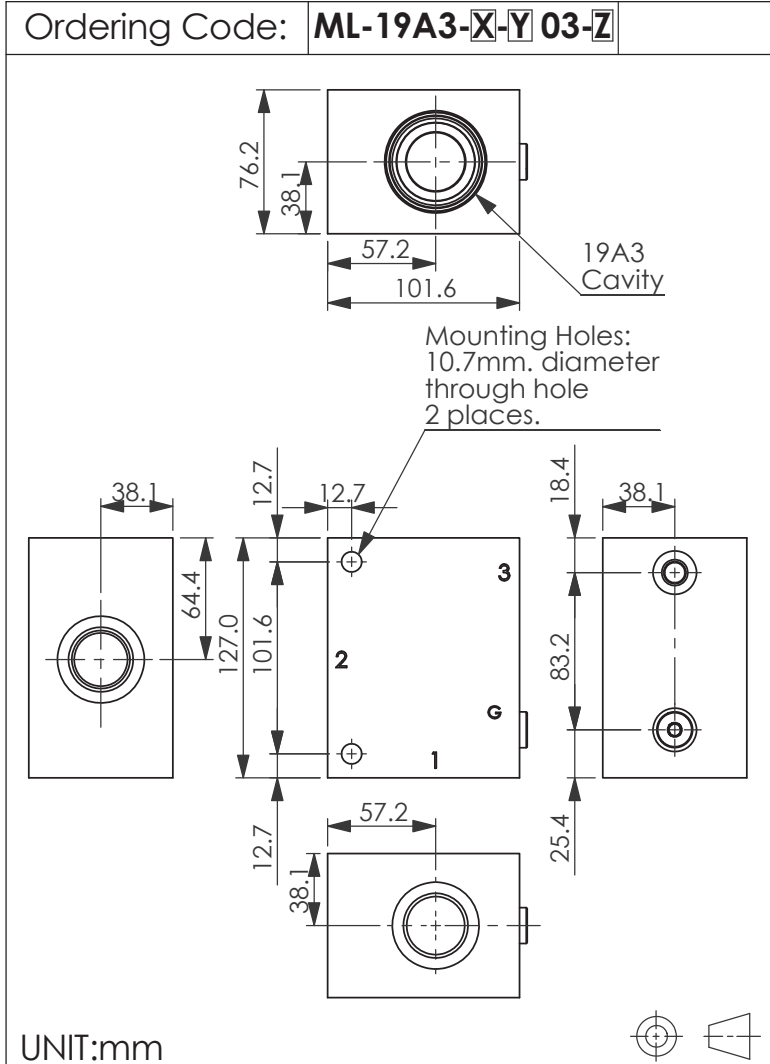
CBCH CB19A3CHL (3:1,70-280bar)

CO20 CO19A3020N (480LPM,2.0bar)

CC20 CC19A3020N (640LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

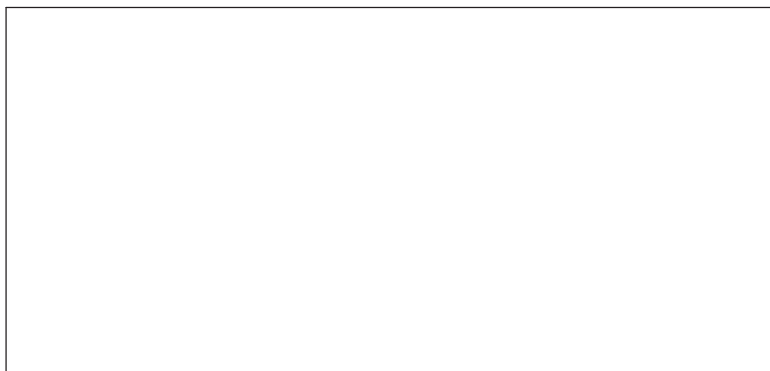
Cavity:

Refer to 19A3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.05 kg(WITHOUT VALVES)
Ductile Iron	5.65 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G08AG	G 1"	G 1/4"	G 1/4"
S16AG	SAE 16	SAE 6	1/4"NPT
S20AG	SAE 20	SAE 6	1/4"NPT

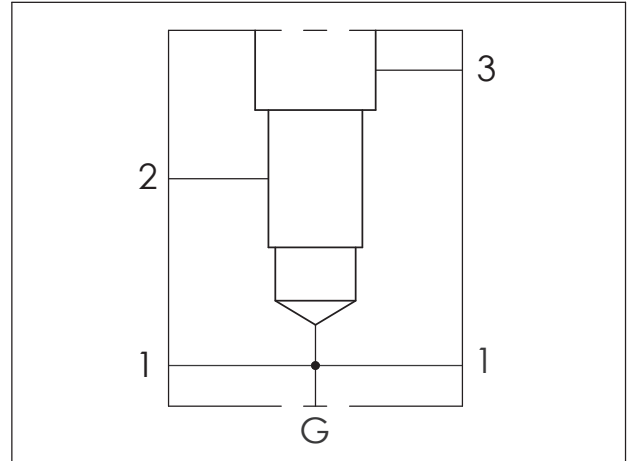
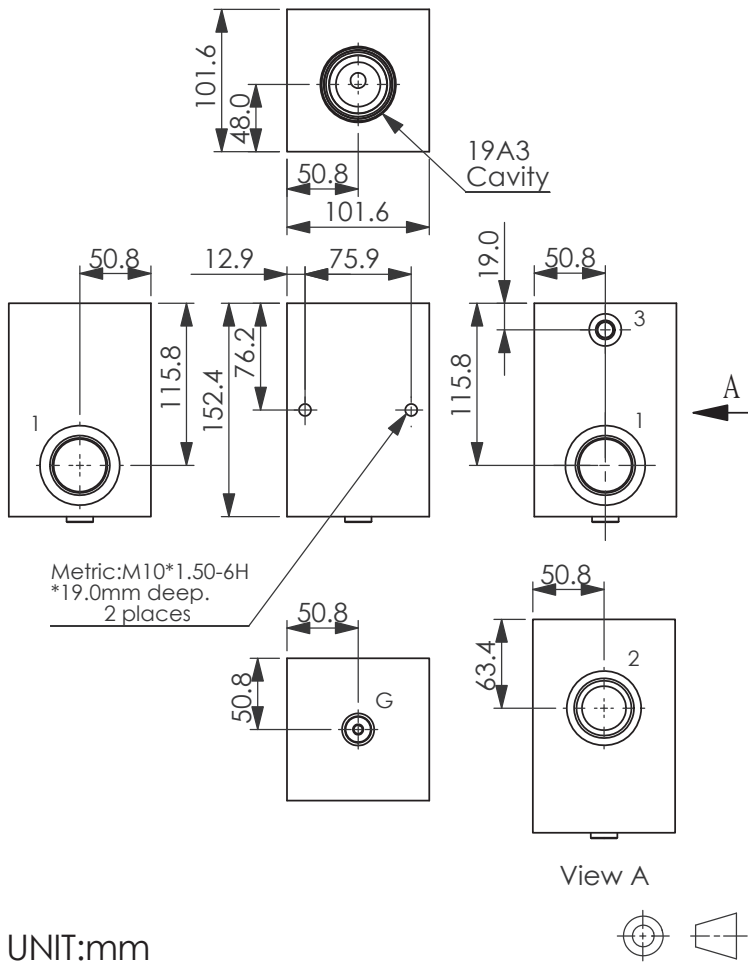
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RV0A	RV19A30AL (480LPM,7-210bar)
CBCH	CB19A3CHL (3:1,70-280bar)
CO20	CO19A3020N (480LPM,2.0bar)
CC20	CC19A3020N (640LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-19A3-X-Y 04-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 19A3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	3.33 kg(WITHOUT VALVES)
Ductile Iron	9.3 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

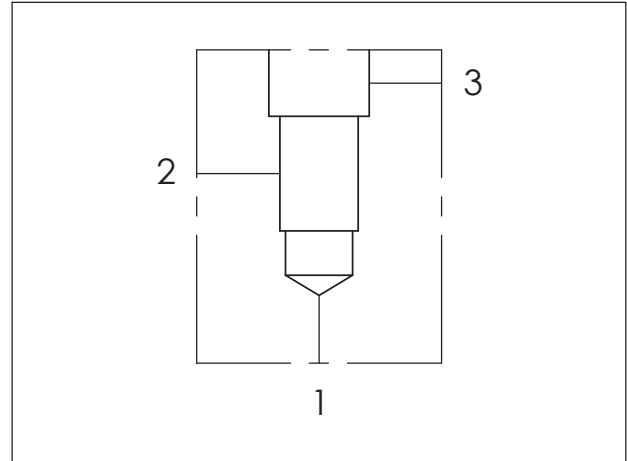
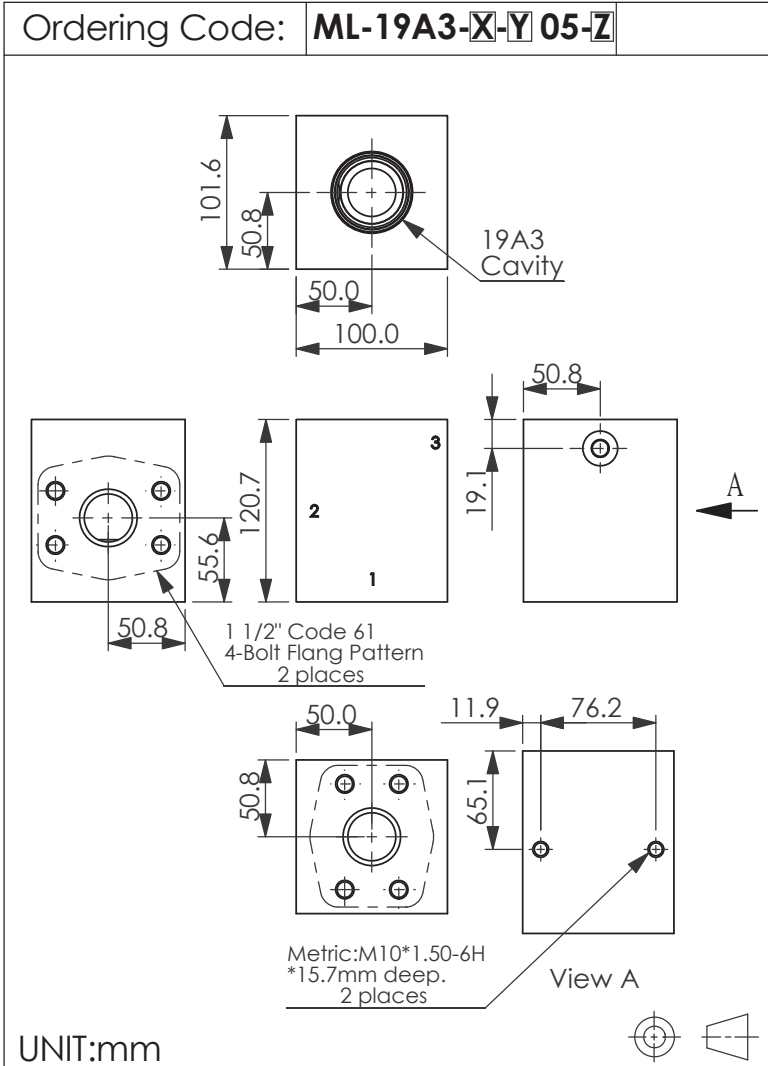
X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G10AG	G 1-1/4"	G 1/4"	G 1/4"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RVOA	RV19A30AL (480LPM,7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 19A3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.7 kg(WITHOUT VALVES)
Ductile Iron	7.5 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

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X	PORT SIZE	
	PORTS	PORT
	1,2	3
F30	1 1/2" Code 61 4-Bolt Flang Pattern	G 1/4"

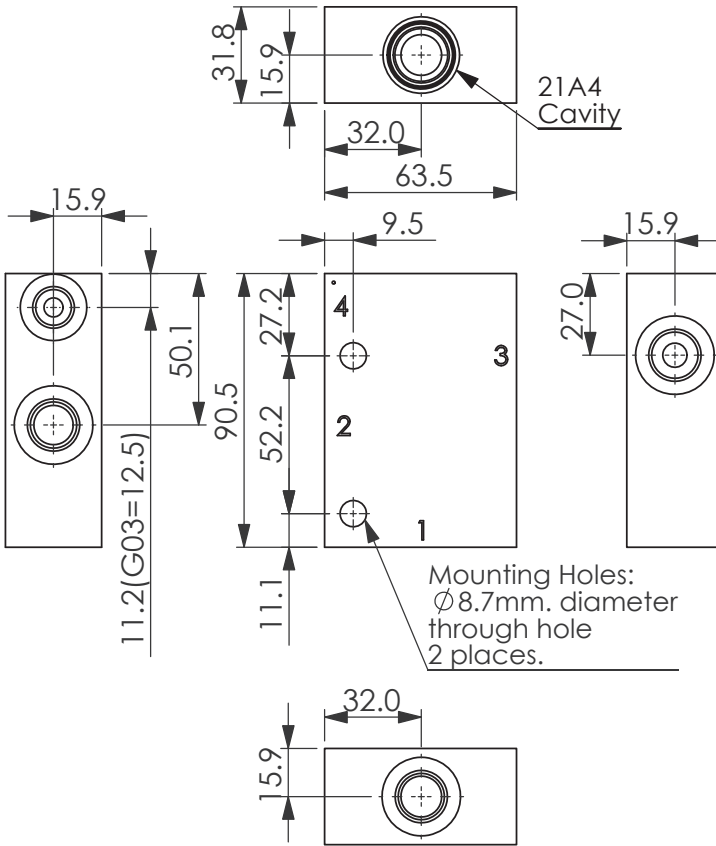
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RV0A	RV19A30AL (480LPM,7-210bar)
CBCH	CB19A3CHL (3:1,70-280bar)
CO20	CO19A3020N (480LPM,2.0bar)
CC20	CC19A3020N (640LPM,2.0bar)

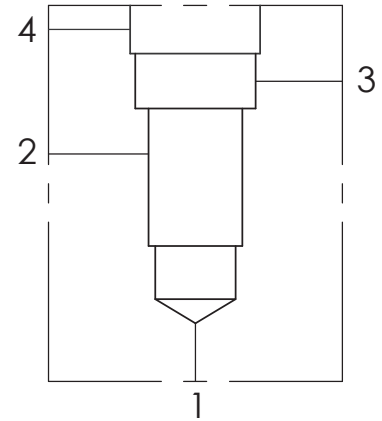
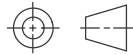
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-21A4-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 21A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.38 kg(WITHOUT VALVES)
Ductile Iron	1.02 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORTS	PORT	PORT	
	1,2	3	4	
G03	G 3/8"	G 3/8"	G 3/8"	
G03A	G 3/8"	G 3/8"	G 1/4"	
P03	3/8"PT	3/8"PT	3/8"PT	
S06	SAE 6	SAE 6	SAE 6	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

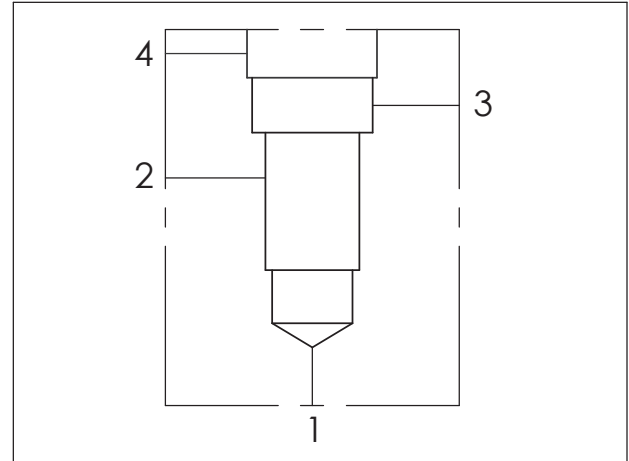
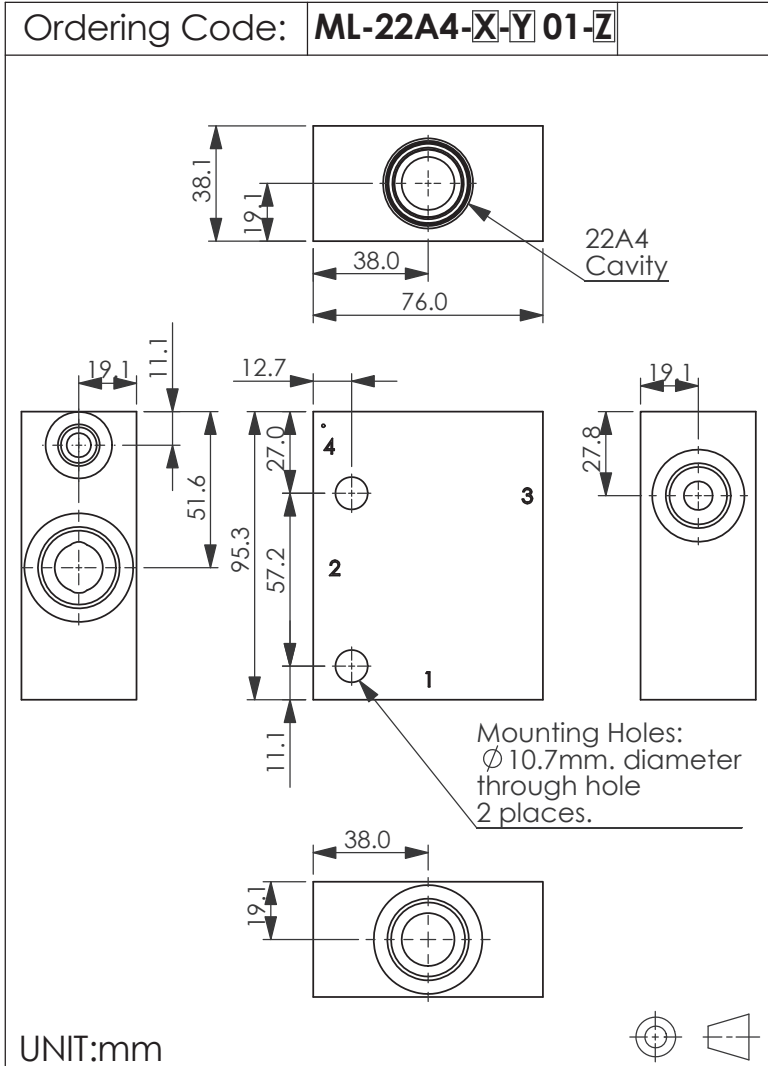
Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

PV0A PV21A40AL (40LPM,7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

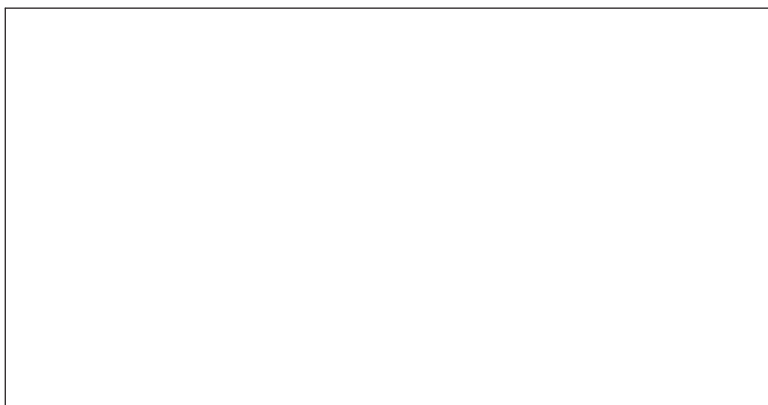
Cavity:

Refer to 22A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVES)
Ductile Iron	1.52 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	4
G03A	G 3/8"	G 3/8"	G 1/4"
G04A	G 1/2"	G 1/2"	G 1/4"
G06CA	G 3/4"	G 1/2"	G 1/4"
S08A	SAE 8	SAE 8	SAE 6

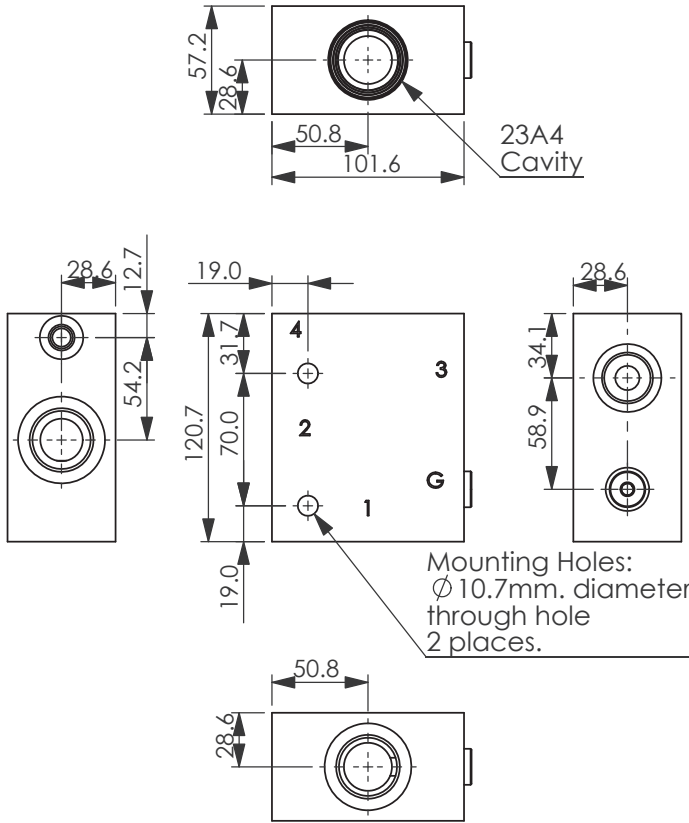
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
PV0A	PV22A40AL (80LPM,7-210bar)	

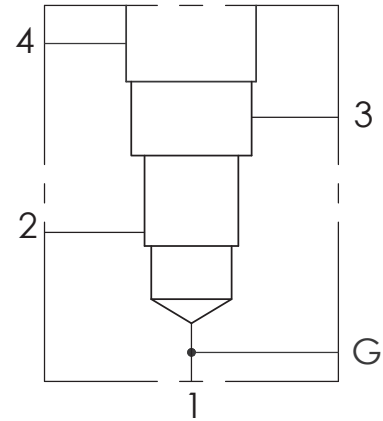
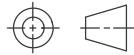
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-23A4-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 23A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.44 kg(WITHOUT VALVES)
Ductile Iron	3.76 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

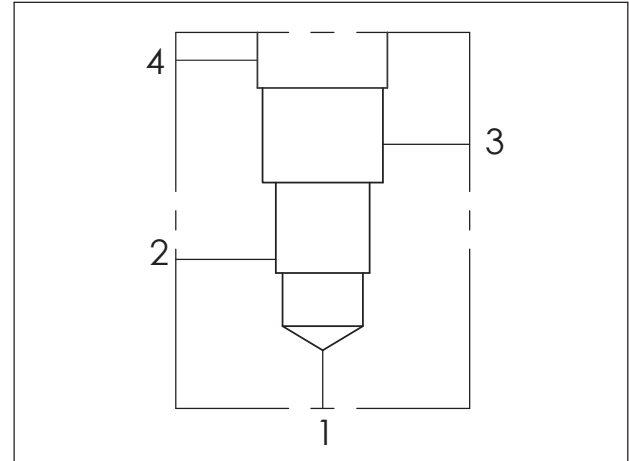
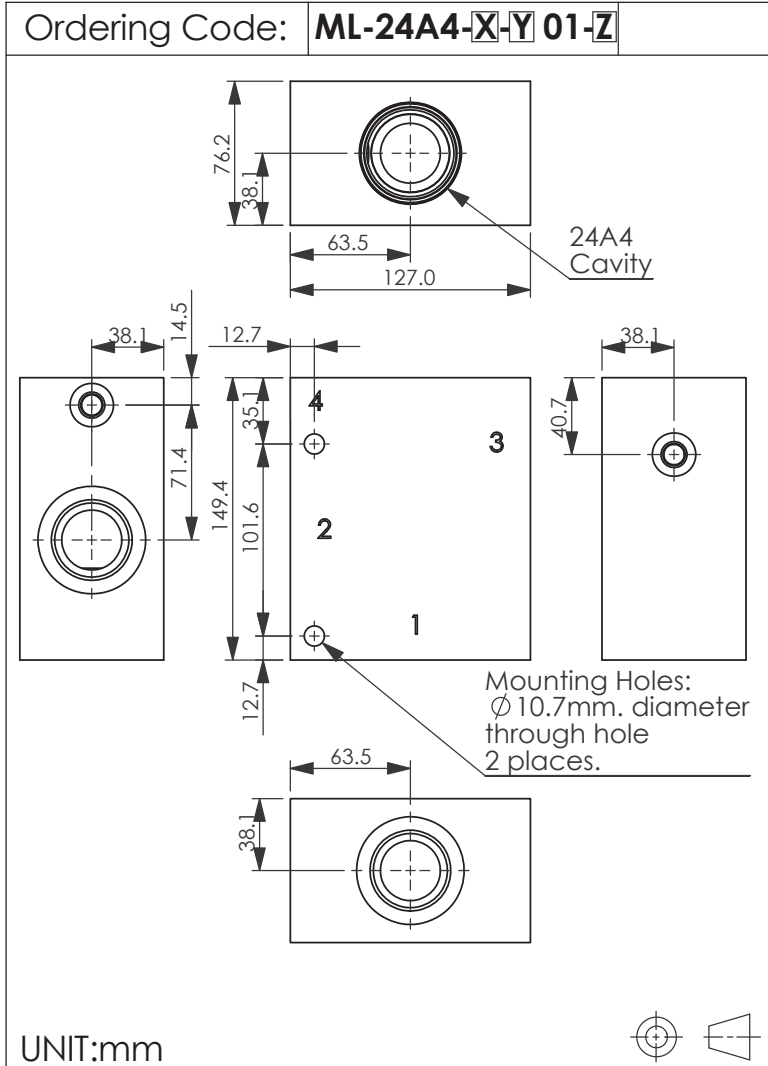
X	PORT SIZE			
	PORTS	PORT	PORT	PORT
	1,2	3	4	G
G06AG	G3/4"	G3/4"	G1/4"	G1/4"
G08AG	G 1"	G3/4"	G1/4"	G1/4"
G10AG	G 1-1/4"	G3/4"	G1/4"	G1/4"
S12AG	SAE 12	SAE 12	SAE 6	1/4"NPT

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
PV0A	PV23A40AL (160LPM,7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron
 Body Pressure Rating: 350 bar

Cavity:

Refer to 24A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	3.2 kg(WITHOUT VALVES)
Ductile Iron	8.7 kg(WITHOUT VALVES)

* If you need the special specification.
 Please contact us.

X	PORT SIZE		
	PORTS	PORTS	
	1,2	3,4	
G08A	G1"	G1/4"	
G10A	G1-1/4"	G1/4"	
S16A	SAE 16	SAE 6	
S20A	SAE 20	SAE 6	

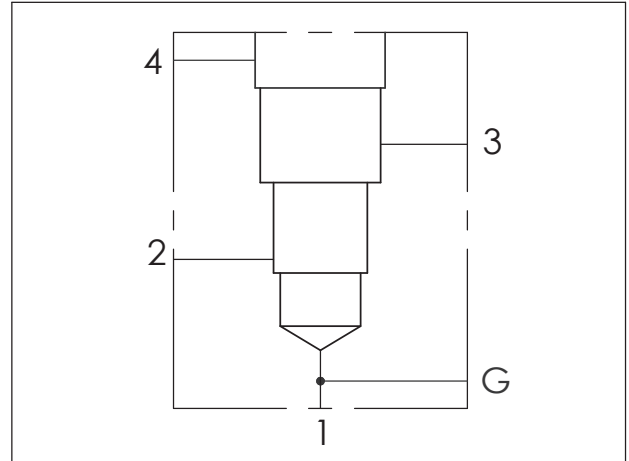
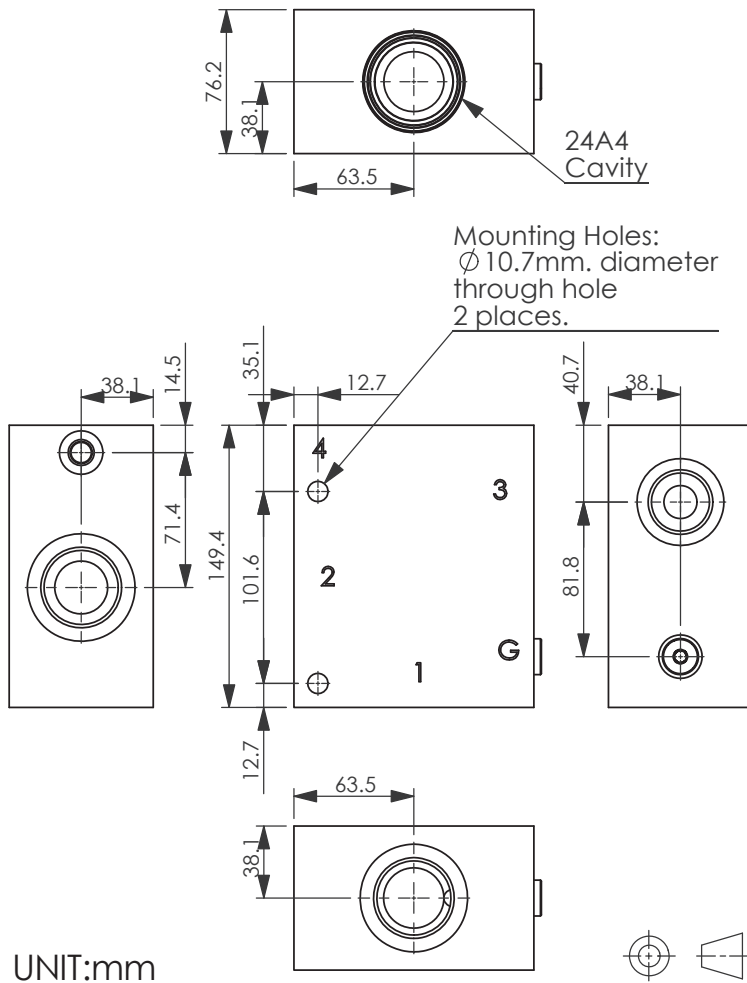
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CWAH	CW24A4AHL (1:1,70-280bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-24A4-X-Y 01-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 24A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	3.1 kg(WITHOUT VALVES)
Ductile Iron	8.5 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

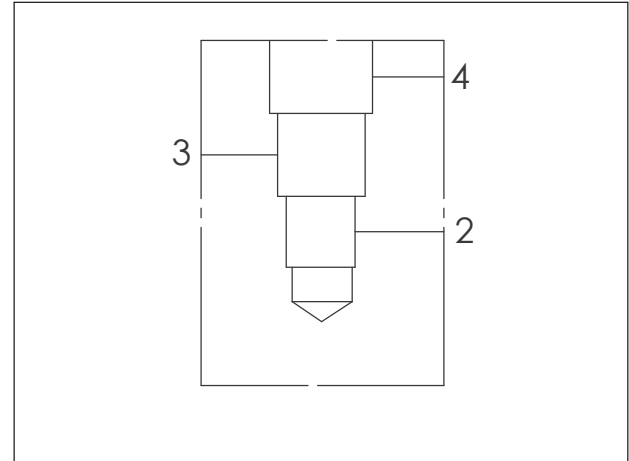
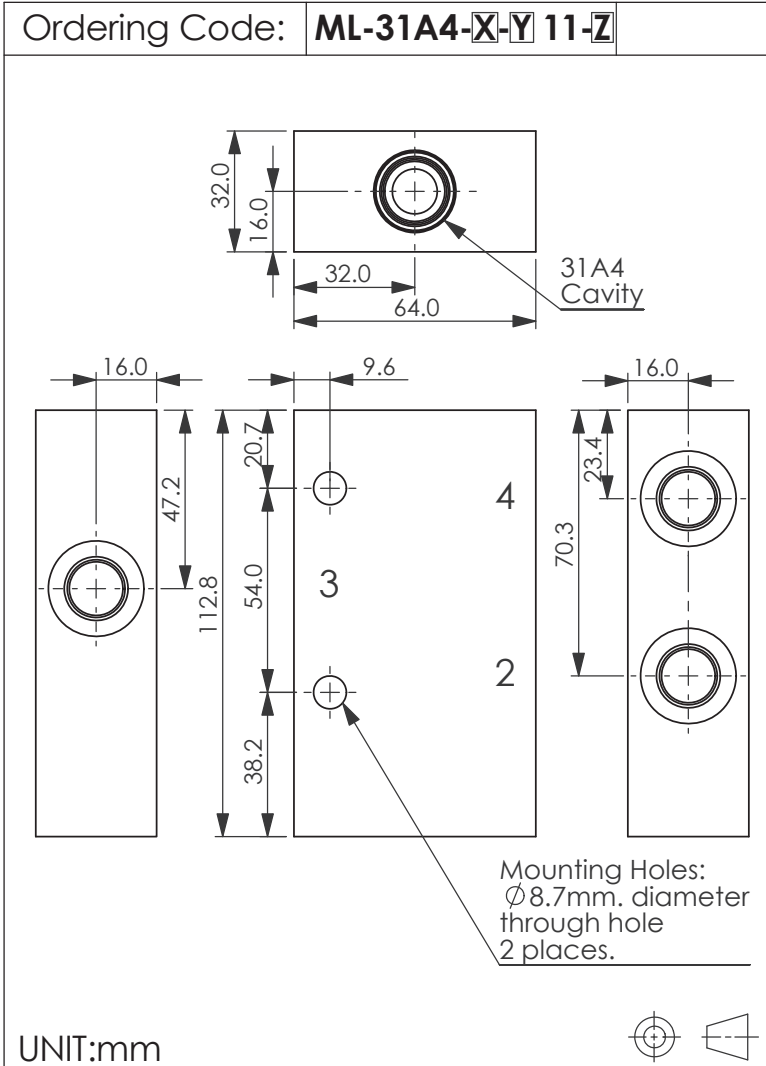
X	PORT SIZE			
	PORTS	PORT	PORT	PORT
	1,2	3	4	G
G08AG	G1"	G1"	G1/4"	G1/4"
G10AG	G1-1/4"	G1"	G1/4"	G1/4"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
PVOA	PV24A40AL (320LPM,7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 31A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.55 kg(WITHOUT VALVES)
Ductile Iron	1.45 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORT	PORTS	
	3	2,4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
G04A	G 1/2"	G 3/8"	

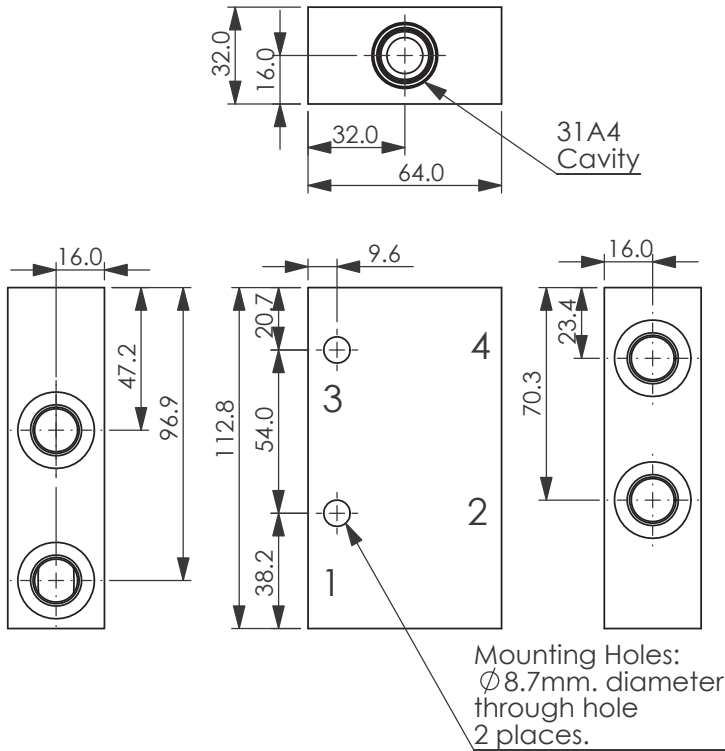
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
FD4206	FD31A4206A(1~6LPM,50%-50%)	
FD4212	FD31A4212A(2~12LPM,50%-50%)	

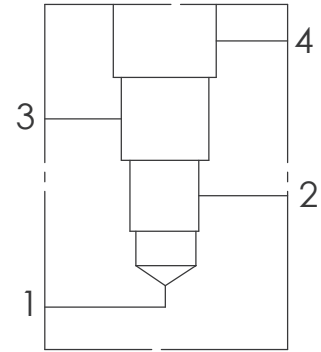
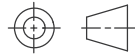
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-31A4-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 31A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.55 kg(WITHOUT VALVES)
Ductile Iron	1.45 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS		
	1,2	3,4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
S06	SAE 6	SAE 6	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

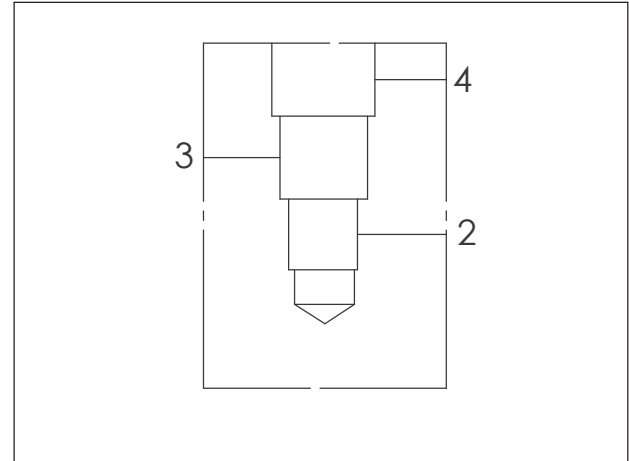
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-32A4-X-Y 11-Z**

32A4 Cavity

Mounting Holes:
Ø8.7mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 32A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(WITHOUT VALVES)
Ductile Iron	3.05 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

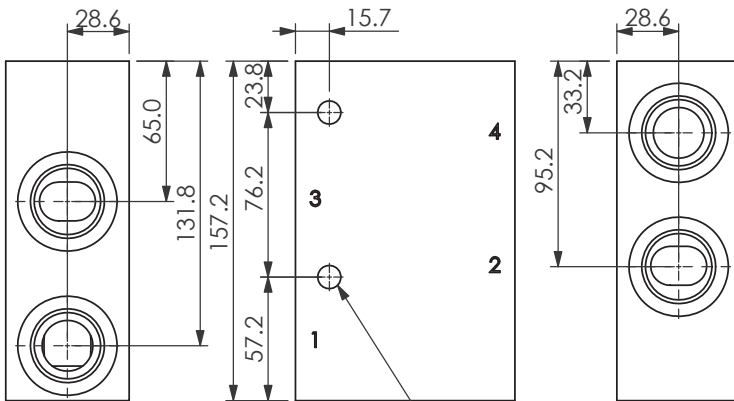
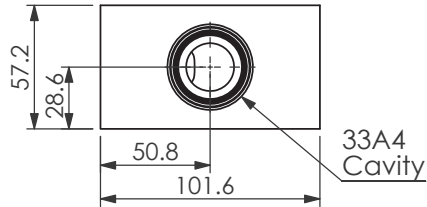
X	PORT SIZE		
	PORT	PORTS	
	3	2,4	
G06	G 3/4"	G 3/4"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

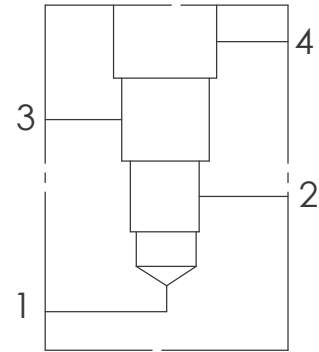
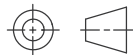
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-33A4-X-Y 01-Z**



Mounting Holes:
Ø10.7mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 33A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.95 kg(WITHOUT VALVES)
Ductile Iron	5.4 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS	PORTS	
	1,2	3,4	
G08	G 1"	G 1"	

Y BODY MATERIAL

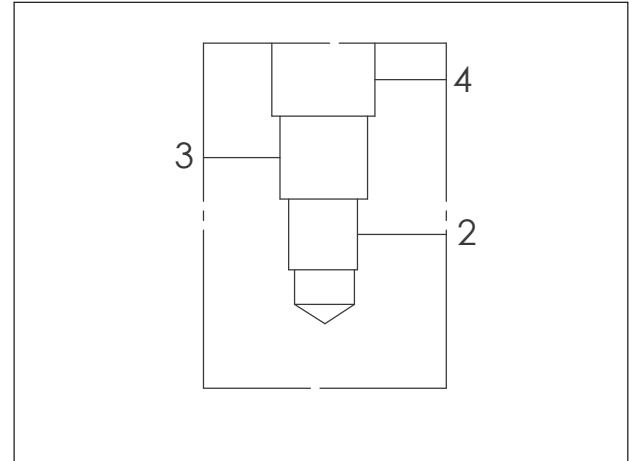
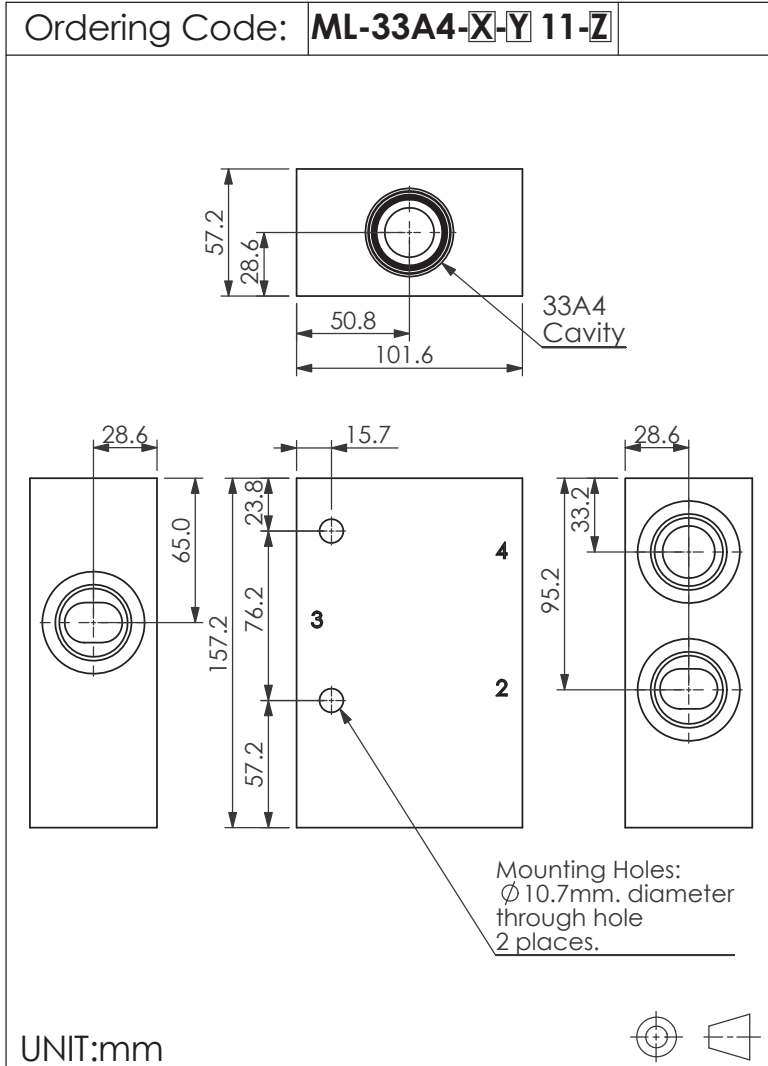
A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 33A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.95 kg(WITHOUT VALVES)
Ductile Iron	5.4 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

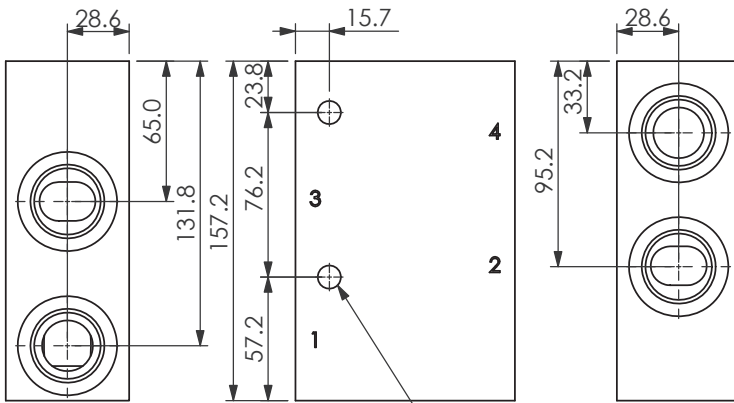
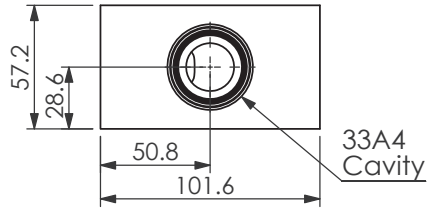
X	PORT SIZE		
	PORT	PORTS	
	3	2,4	
G08	G 1"	G 1"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

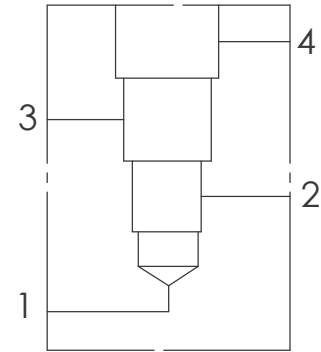
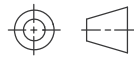
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-33A4-X-Y 01-Z**



Mounting Holes:
Ø10.7mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 33A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.95 kg(WITHOUT VALVES)
Ductile Iron	5.4 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS	PORTS	
	1,2	3,4	
G08	G 1"	G 1"	

Y BODY MATERIAL

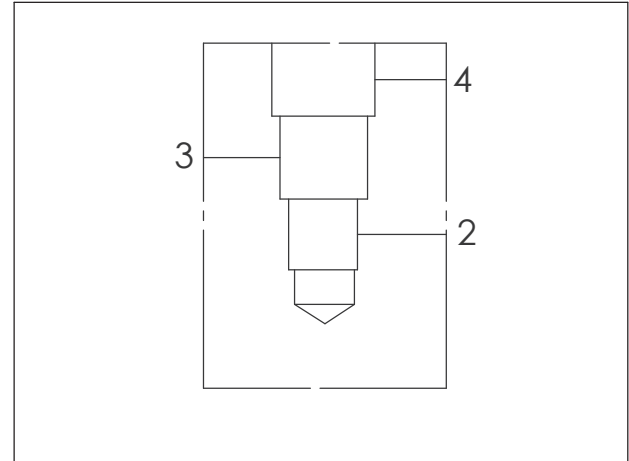
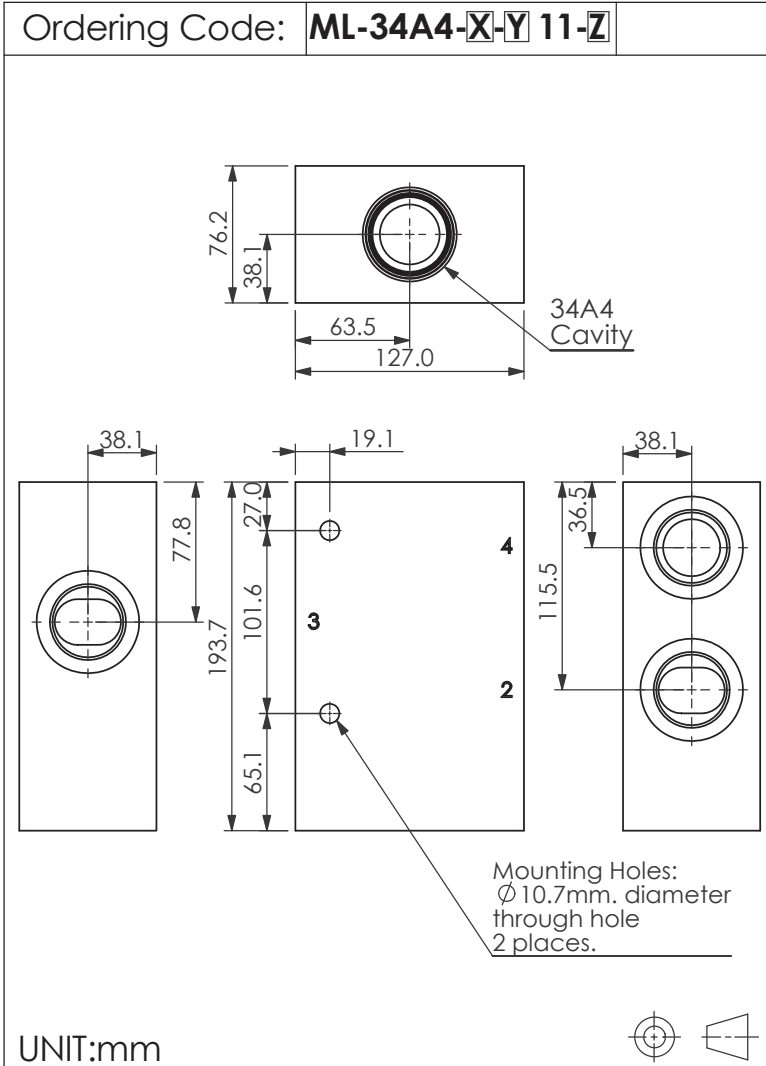
A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 34A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	4.0 kg(WITHOUT VALVES)
Ductile Iron	11.0 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

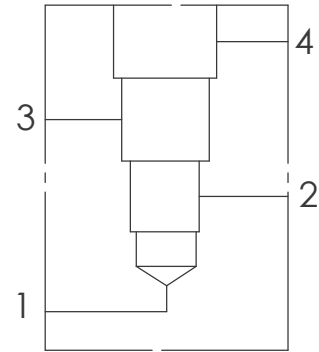
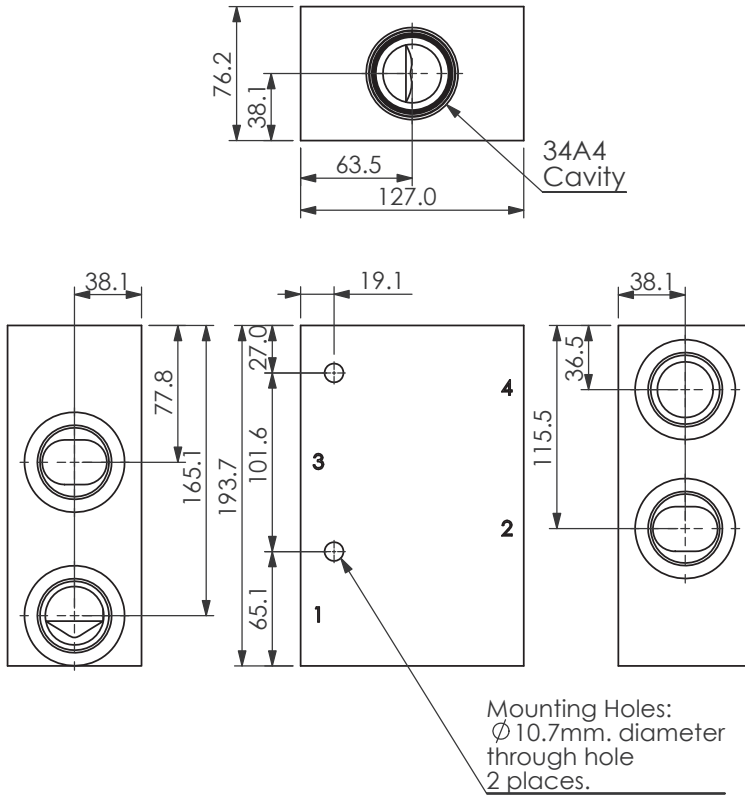
X	PORT SIZE		
	PORT	PORTS	
	3	2,4	
G10	G 1-1/4"	G 1-1/4"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-34A4-X-Y 01-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 34A4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	3.8 kg(WITHOUT VALVES)
Ductile Iron	10.6 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS		
	1,2	3,4	
G10	G 1-1/4"	G 1-1/4"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

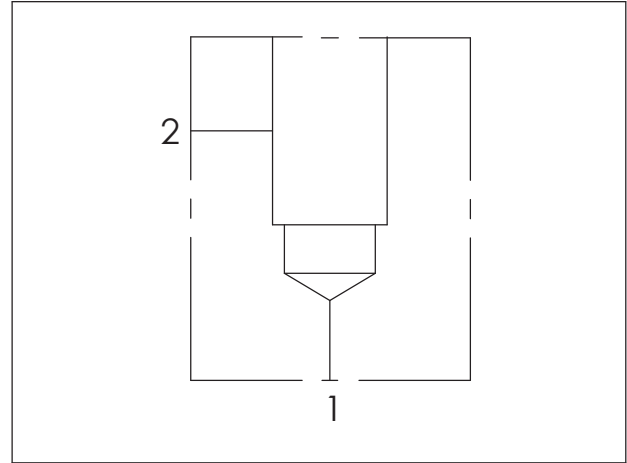
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-162A2-X-Y 01-Z**

162A2 Cavity

Mounting Holes:
7.2mm.diameter
through hole

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 162A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.12 kg(WITHOUT VALVES)
Ductile Iron	0.35 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

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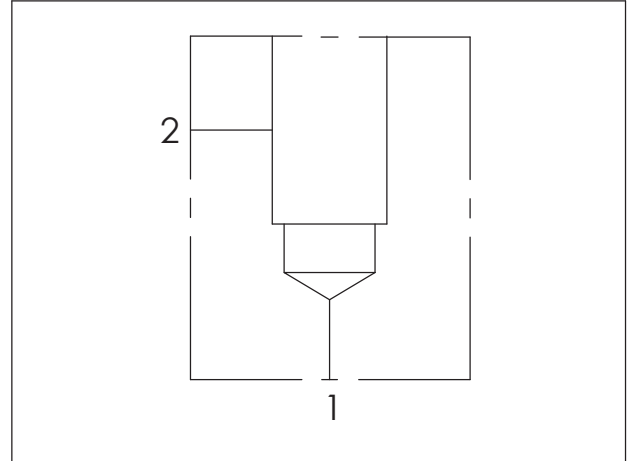
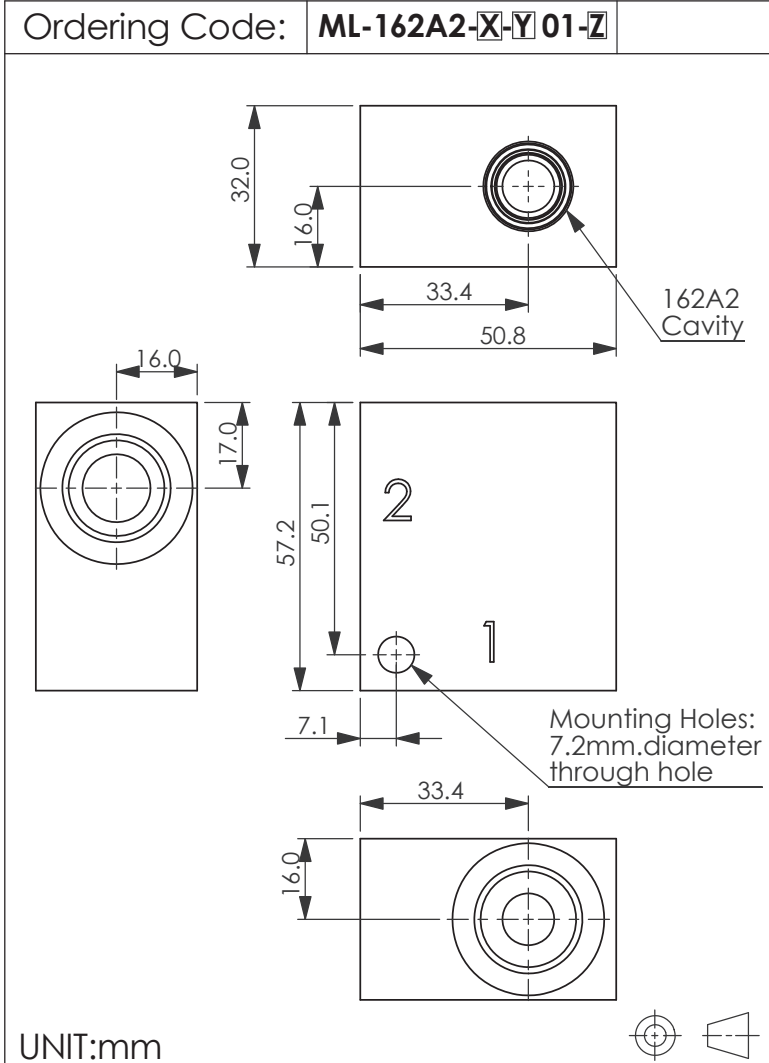
X	PORT SIZE		
	PORT 1	PORT 2	
	G02	G1/4"	
G03	G3/8"	G3/8"	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE

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STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 162A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.21 kg(WITHOUT VALVES)
Ductile Iron	0.63 kg(WITHOUT VALVES)

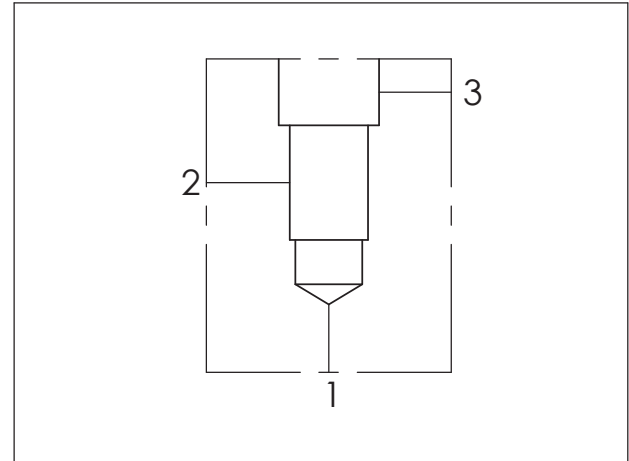
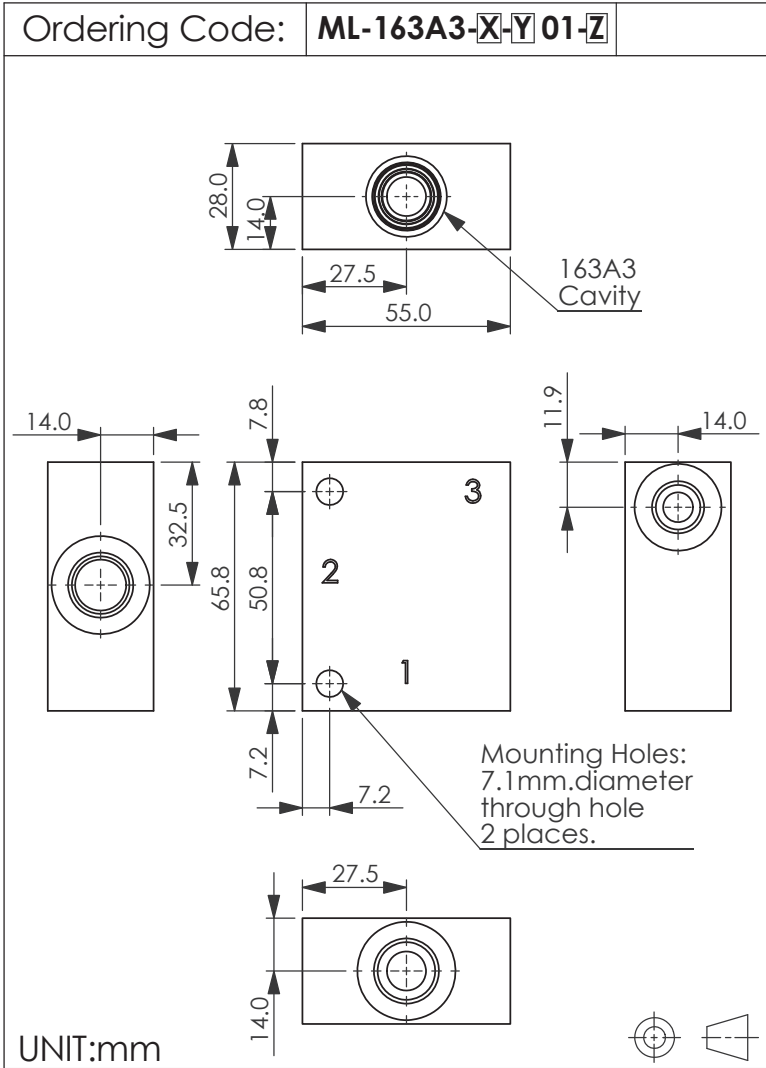
* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G04	G1/2"	G1/2"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 163A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.24 kg(WITHOUT VALVES)
Ductile Iron	0.72 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

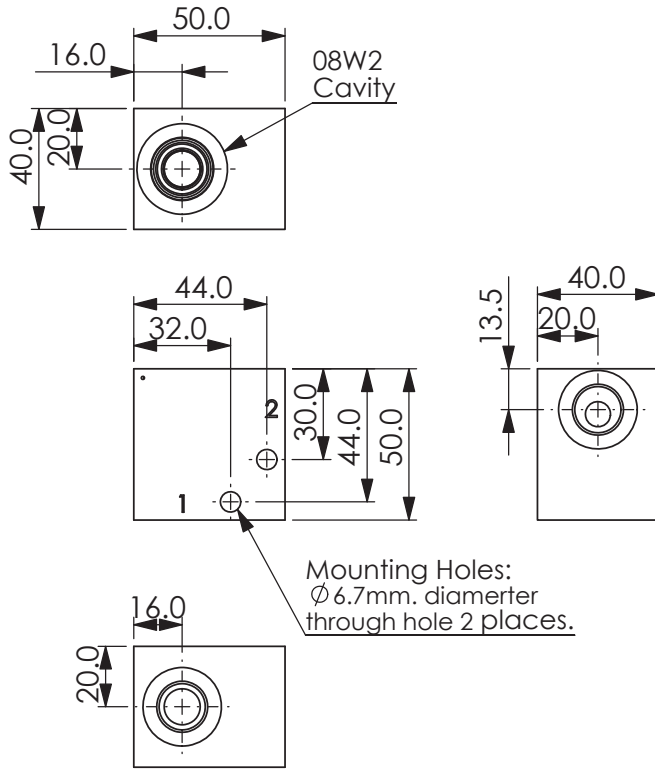
X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G03A	G 3/8"	G 1/4"	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

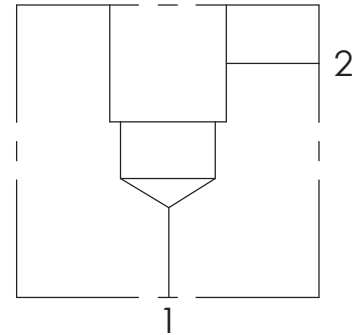
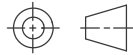
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-08W2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 08W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22 kg(WITHOUT VALVES)
Ductile Iron	0.68 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORT 1	PORT 2	
	G03	G 3/8"	
P02	1/4"PT	1/4"PT	
P03	3/8"PT	3/8"PT	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RD0A	RD08W20AL(20LPM,80-210bar)	
CV03	CV08W2003N (30LPM,0.3bar)	
NV0N	NV08W20NL (350bar)	
NC0N	NC08W20NL (350bar)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

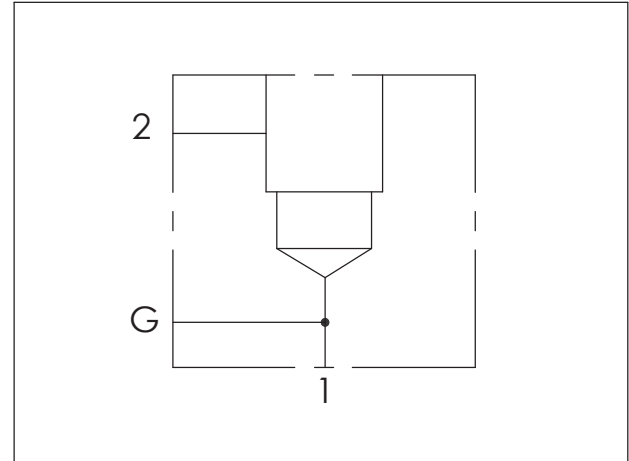
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-08W2-X-Y 01-Z**

Mounting Holes:
Ø6.7mm. diameter
through hole 2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 08W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

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X	PORT SIZE	
	PORTS	PORT
	1,2	G
G03G	G 3/8"	G 1/4"

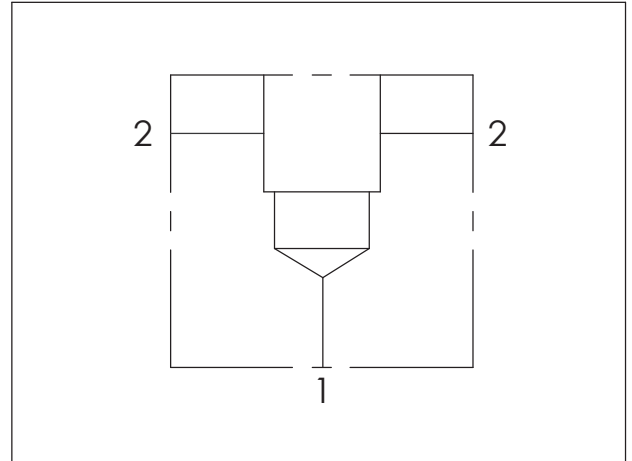
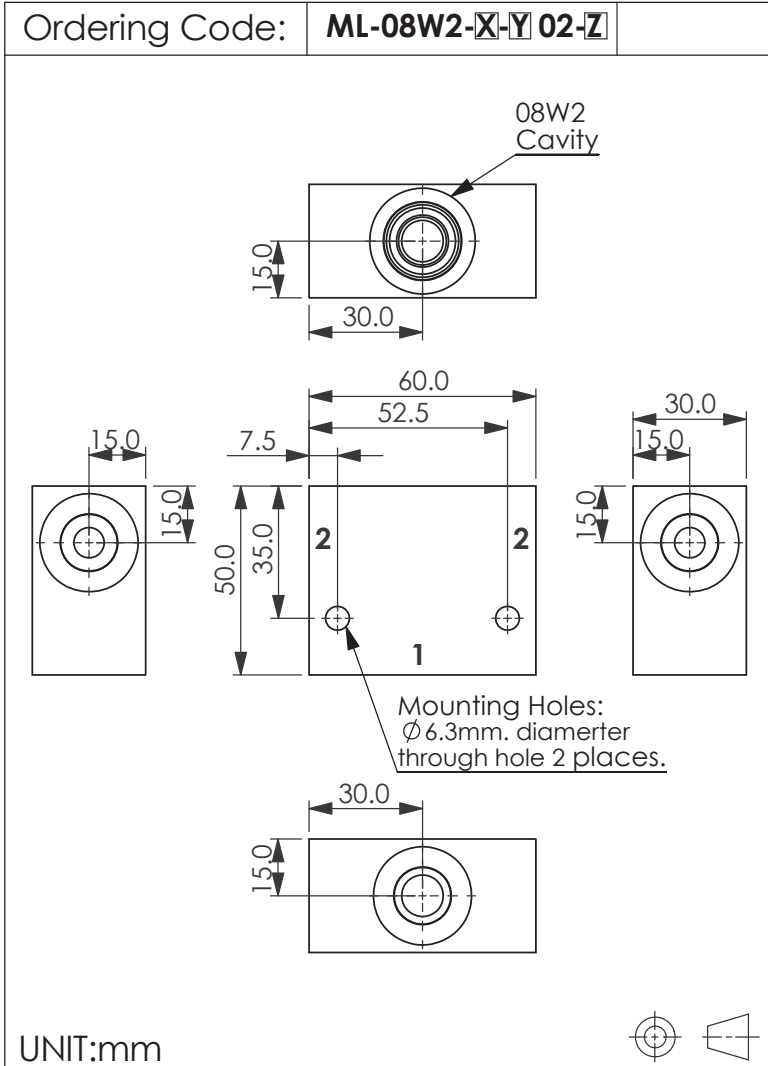
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
RD0A	RD08W20AL(20LPM,80-210bar)
CV03	CV08W2003N (30LPM,0.3bar)
NV0N	NV08W20NL (350bar)
NC0N	NC08W20NL (350bar)
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)

**COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)**

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 08W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22 kg(WITHOUT VALVES)
Ductile Iron	0.55 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RD0A	RD08W20AL(20LPM,80-210bar)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)		

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-08W2-X-Y 41-Z**

37.0
65.0

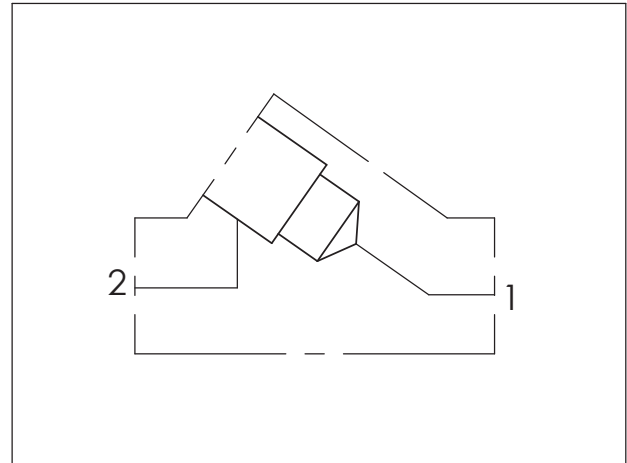
Mounting Holes:
Ø8.6mm. diameter
through hole.

08W2
Cavity

4.4
18.5

50.2
6.4
32.5
65.0

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

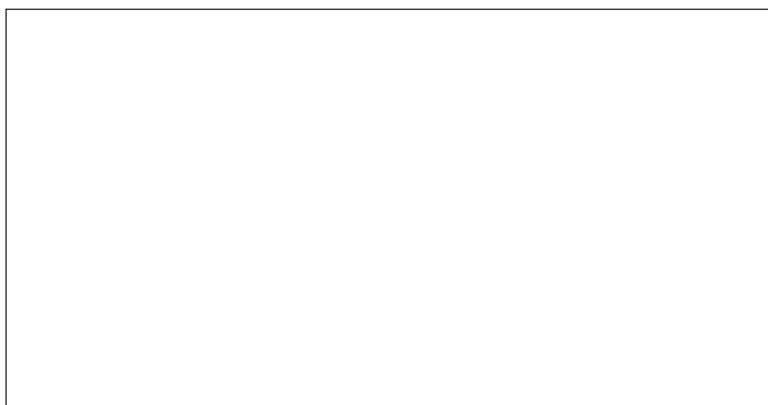
Cavity:

Refer to 08W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.19 kg(WITHOUT VALVES)
Ductile Iron	0.56 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.



X	PORT SIZE		
	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RD0A	RD08W20AL(20LPM,80-210bar)	
CV03	CV08W2003N (30LPM,0.3bar)	
NV0N	NV08W20NL (350bar)	
NC0N	NC08W20NL (350bar)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

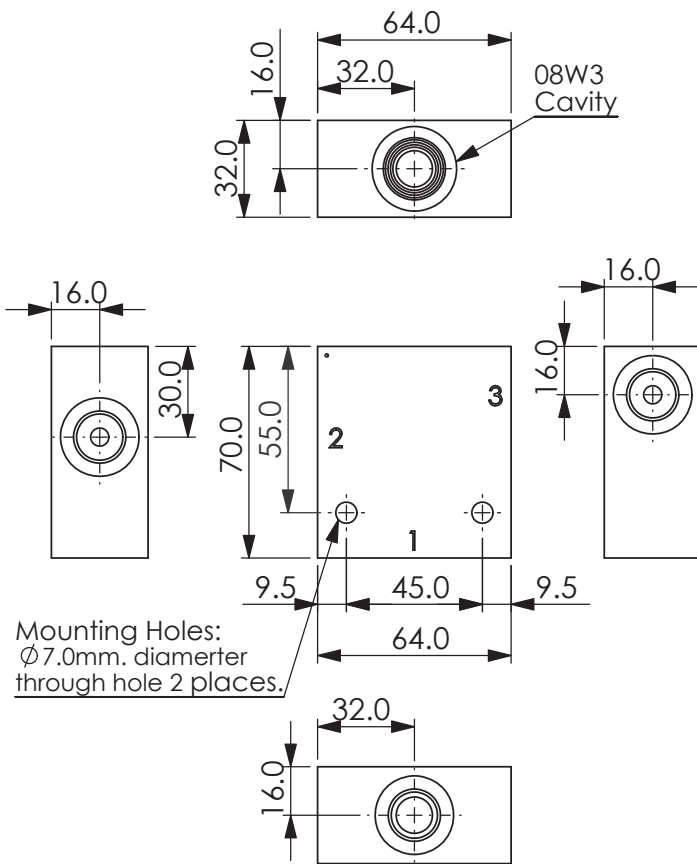
COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

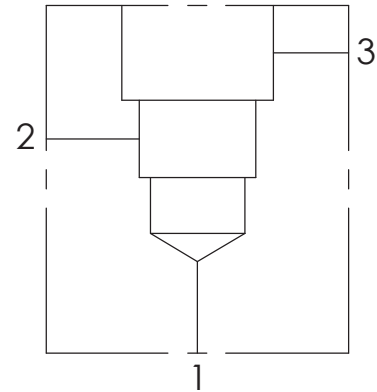
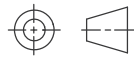
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-08W3-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 08W3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.32 kg(WITHOUT VALVES)
Ductile Iron	0.95 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORTS	PORT	
	1,2	3	
G03	G 3/8"	G 3/8"	
S06	SAE 6	SAE 6	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

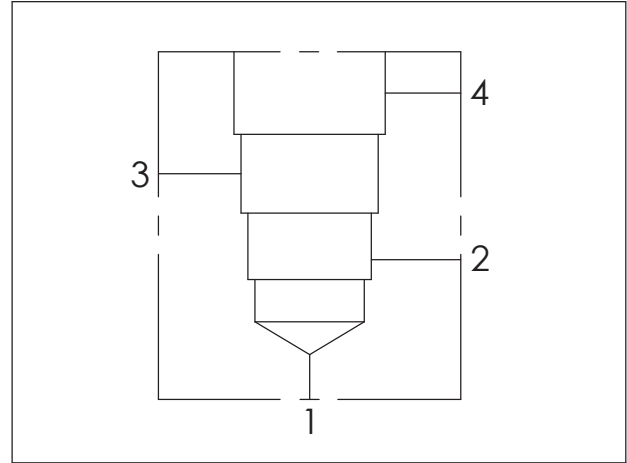
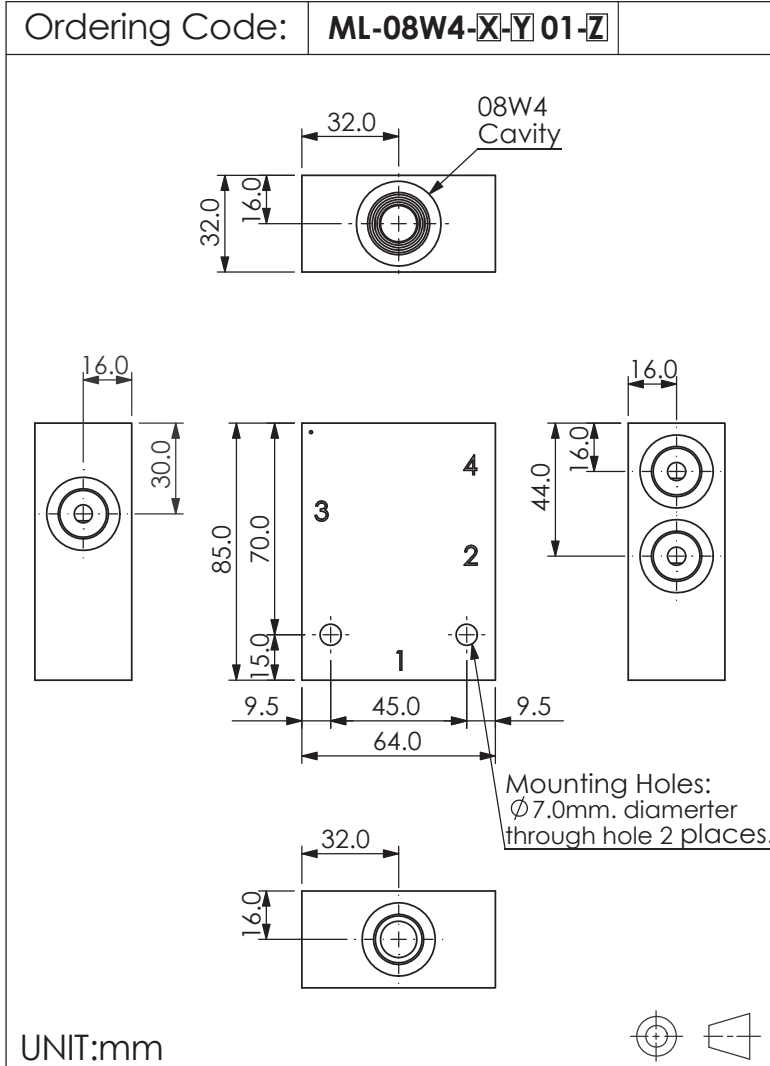
WITHOUT VALVE

CO17 CO08W3017L (30LPM , 1.7bar)

SQ3B SQ08W33BL (10.0-90.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 08W4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.4 kg(WITHOUT VALVES)
Ductile Iron	1.14 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2,3	4	
G03	G 3/8"	G 3/8"	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

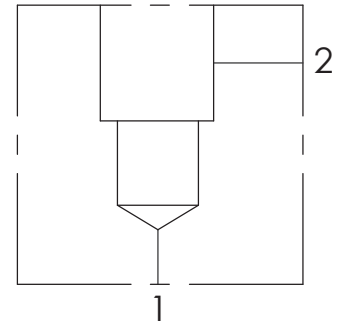
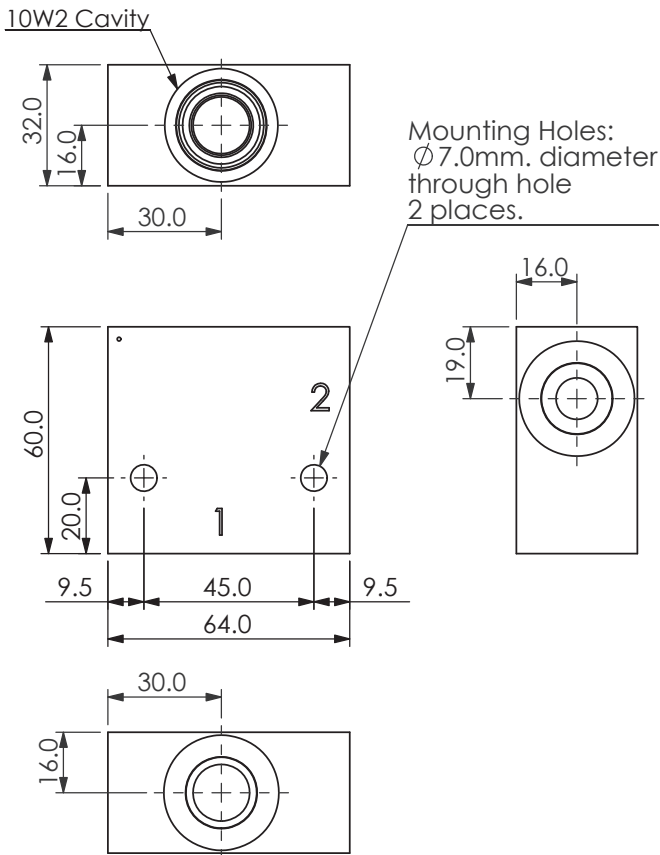
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
ES10	ES08W4A10N04 (12LPM,210bar) (NORMALLY CLOSED,WITHOUT COIL)	
ES11	ES08W4A11N04 (15LPM,210bar) (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-10W2-X-Y 01-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 10W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.26 kg(WITHOUT VALVES)
Ductile Iron	0.73 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORT 1	PORT 2	
	G04	G 1/2"	
P03	3/8"PT	3/8"PT	
P04	1/2"PT	1/2"PT	
S06	SAE 6	SAE 6	

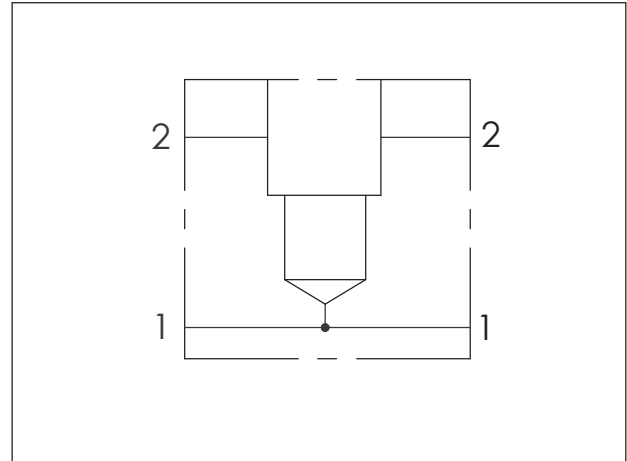
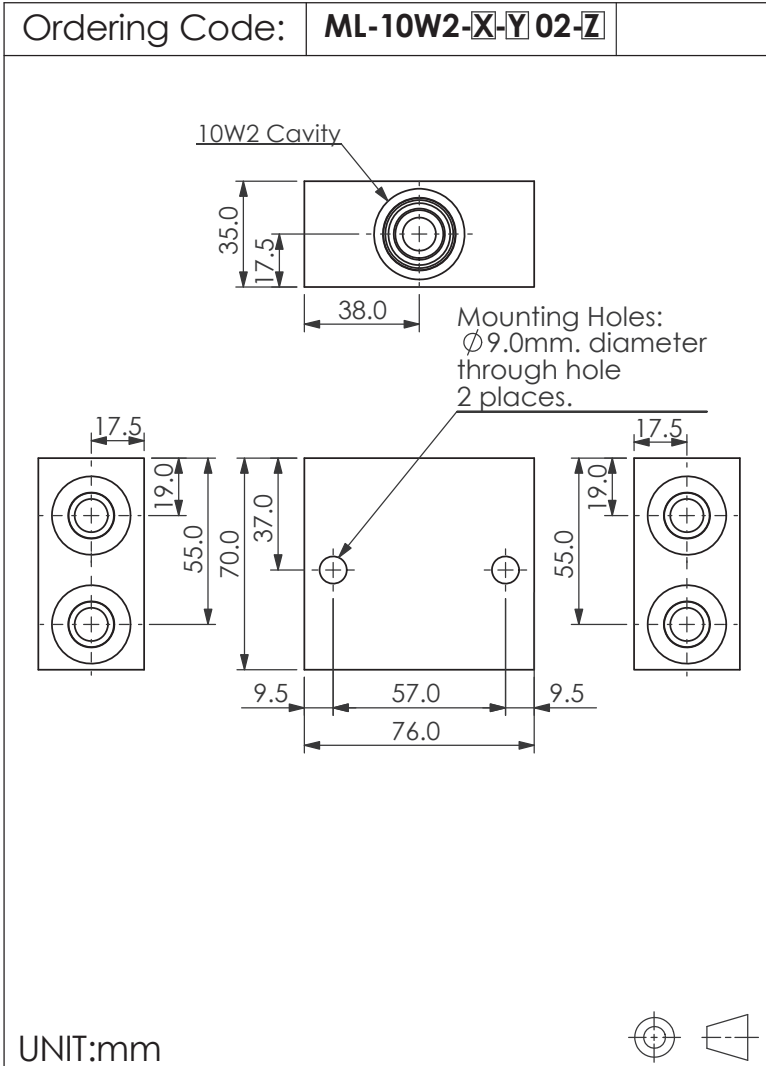
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RP0A	RP10W20AL(95LPM,7-210bar)	
CR0A	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NV0N	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

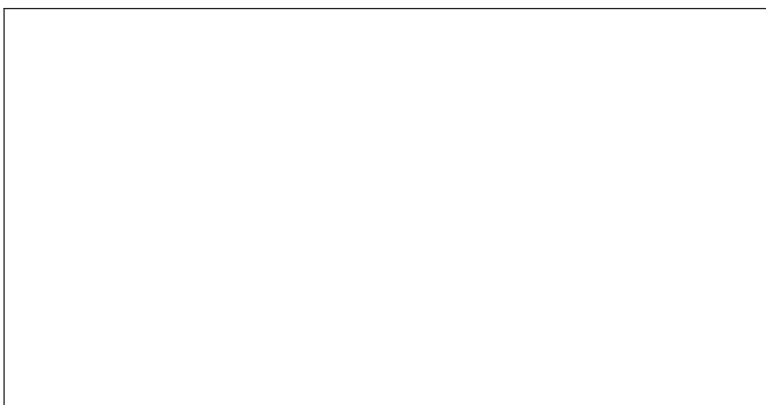
Cavity:

Refer to 10W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.45 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.



X	PORT SIZE		
	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RP0A	RP10W20AL(95LPM,7-210bar)	
CR0A	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NV0N	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

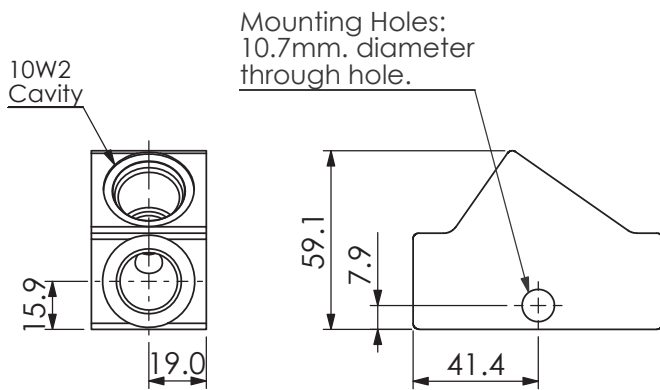
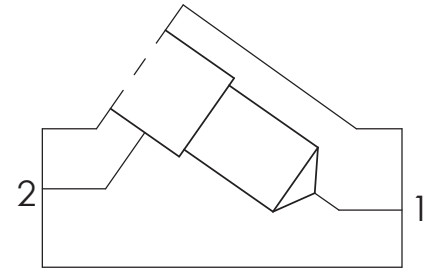
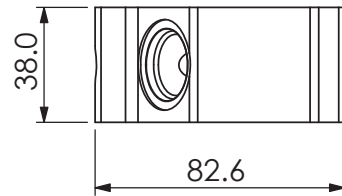
COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-10W2-X-Y 41-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

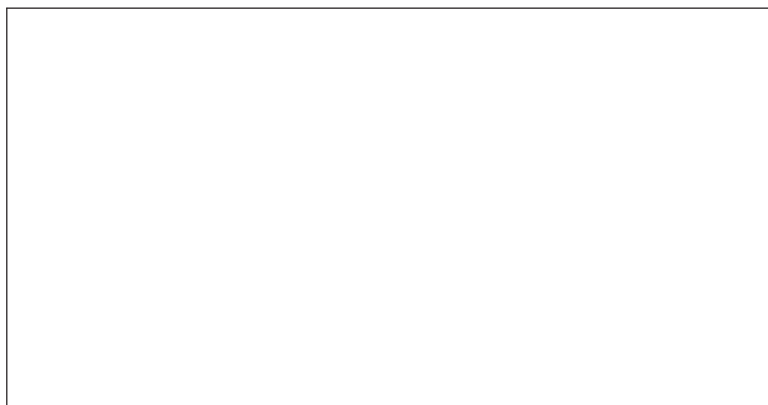
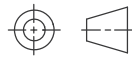
Refer to 10W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.28 kg(WITHOUT VALVES)
Ductile Iron	0.81 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

UNIT:mm



Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

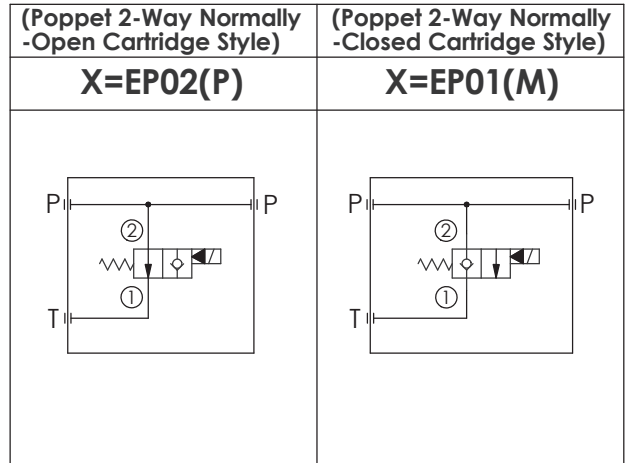
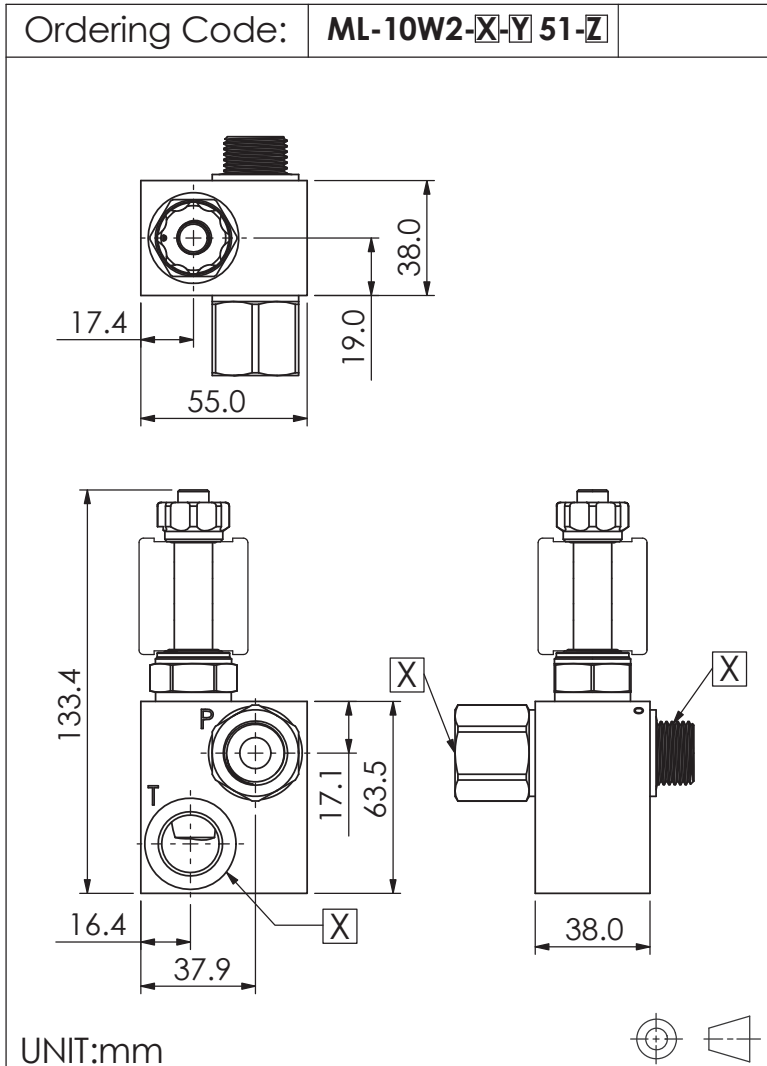
X	PORT SIZE		
	PORT 1	PORT 2	
	G03	G 3/8"	
G04	G 1/2"	G 1/2"	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP10W20AL(95LPM,7-210bar)	
CROA	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NV0N	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

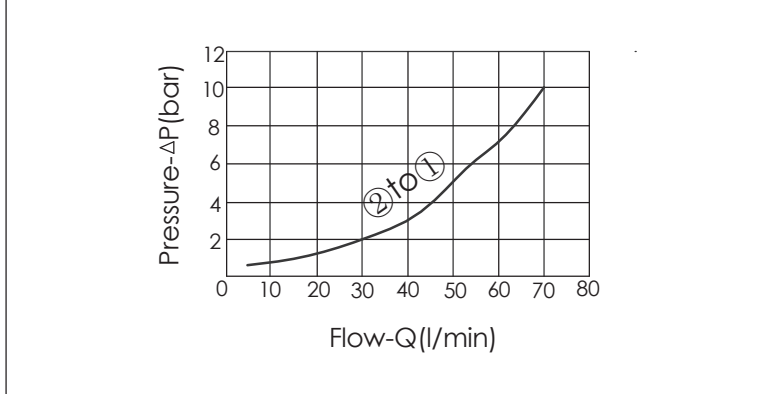
Rated flow: 70 l/min

Cartridge Valve:
 Refer to EP10W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.44 kg (WITHOUT VALVES) 0.60 kg (INCLUDE VALVES, WITHOUT COILS)
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* If you need the special specification. Please contact us.



X	PORT SIZE	
	PORT P	PORT T
G03	G 3/8"	G 3/8"
G04	G 1/2"	G 1/2"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

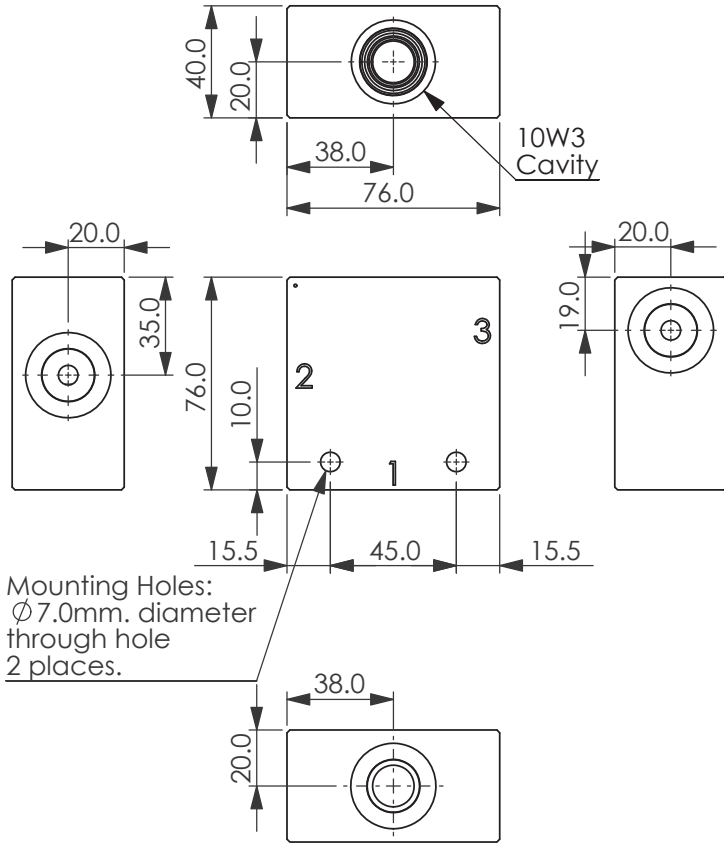
Z	SELECTION FOR SOLENOID VALVES (REFER TO EP10W-X-Y-Z)
	WITHOUT VALVE
EP01	EP10W2A01N05, 70LPM, 350bar (NORMALLY CLOSED, WITHOUT COIL)
EP02	EP10W2A02N05, 70LPM, 350bar (NORMALLY OPEN, WITHOUT COIL)
EP01M	EP10W2A01M05, 70LPM, 350bar (NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE, WITHOUT COIL)
EP02P	EP10W2A02P05, 70LPM, 350bar (NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE, WITHOUT COIL)

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

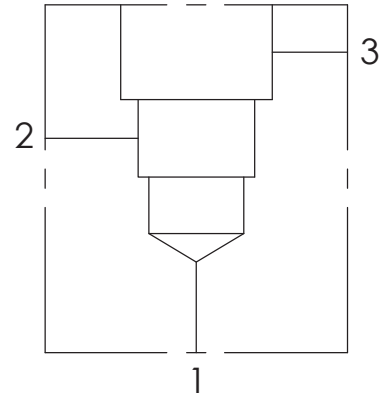
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow, pressure, ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-10W3-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 10W3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.52 kg(WITHOUT VALVES)
Ductile Iron	1.52 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORTS	PORT	
	1,2	3	
G04	G 1/2"	G 1/2"	
S08	SAE 8	SAE 8	
S10	SAE 10	SAE 10	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

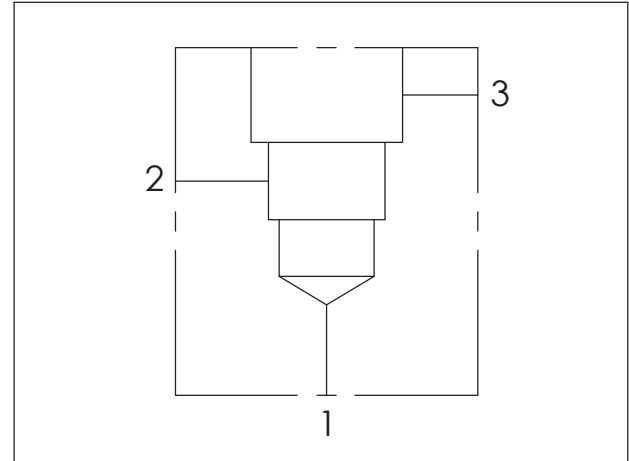
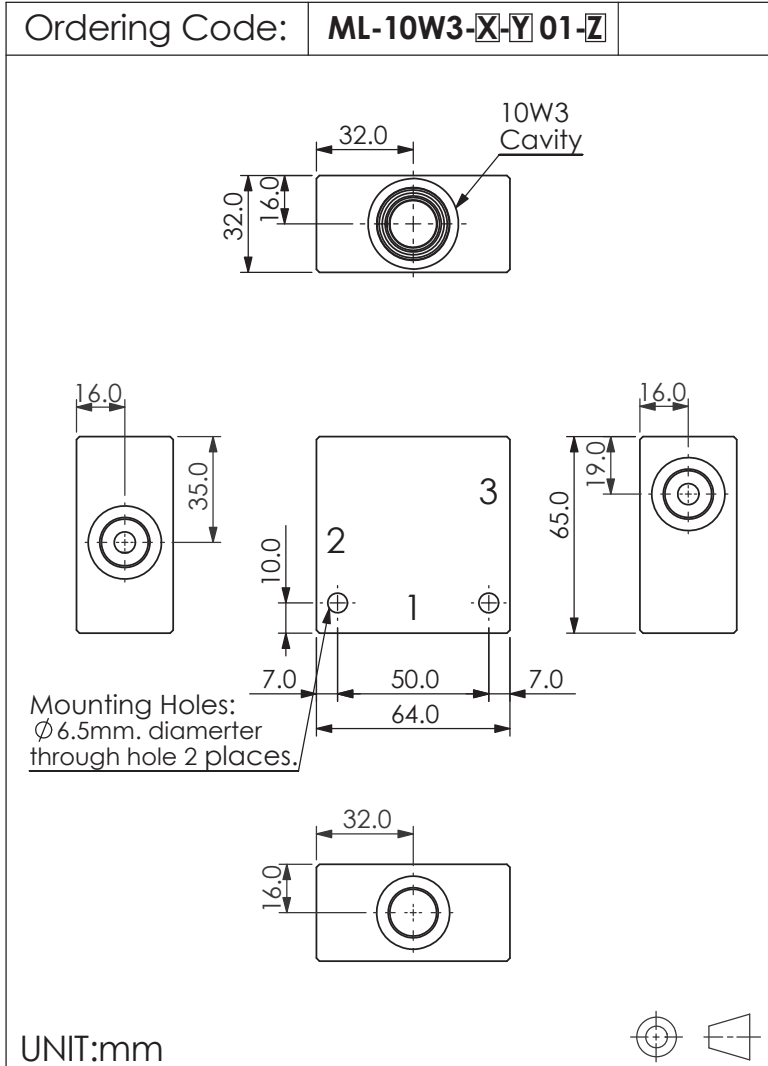
WITHOUT VALVE

FR1L FR10W31NL(13LPM,240bar)

FR3L FR10W33NL(38LPM,240bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

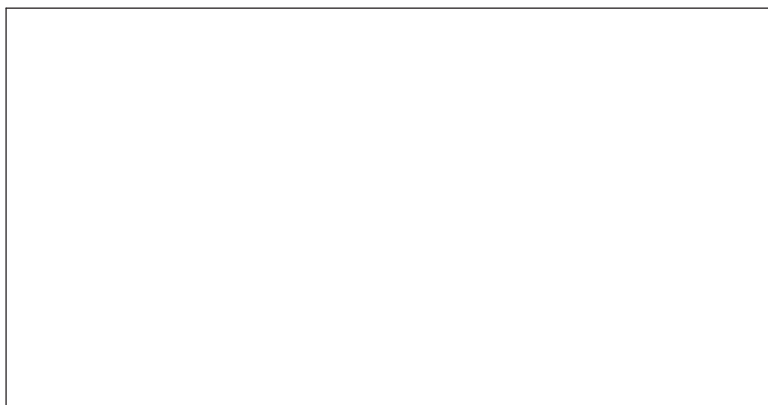
Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 10W3

* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.3 kg(WITHOUT VALVES)
Ductile Iron	0.92 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



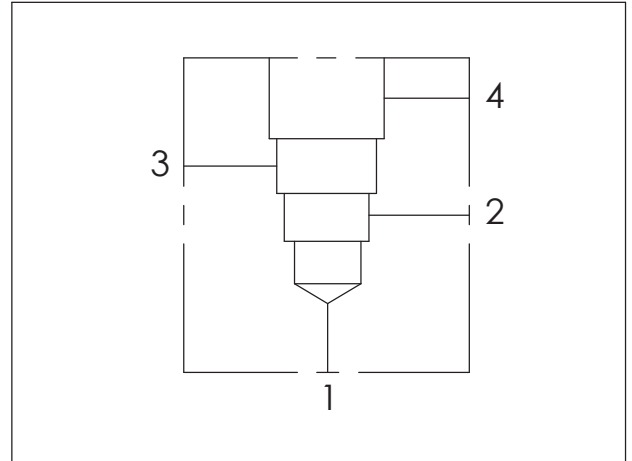
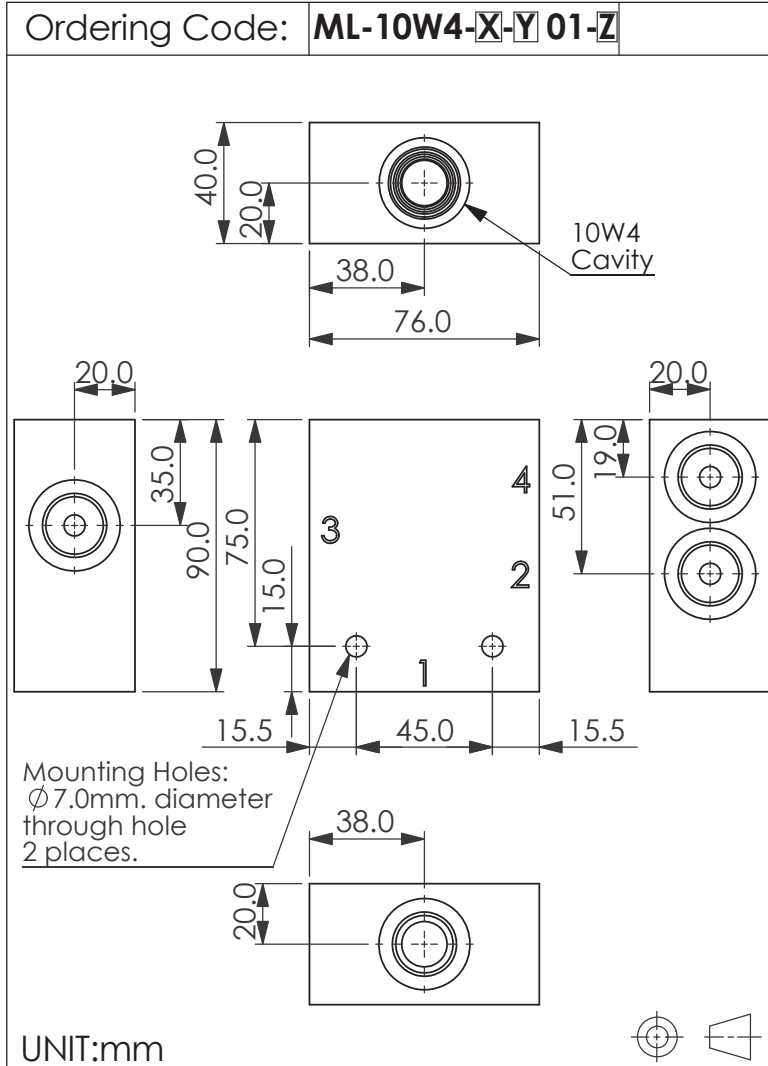
X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G03	G 3/8"	G 3/8"	
P03	3/8" PT	3/8" PT	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
FR1L	FR10W31NL(13LPM,240bar)	
FR3L	FR10W33NL(38LPM,240bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 10W4

* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.61 kg(WITHOUT VALVES)
Ductile Iron	1.76 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2,3	4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
FD4003	FD10W4003N (1.2-3 LPM , Ratio 50:50)	
FD4137	FD10W4137N (15-37 LPM , Ratio 50:50)	
FD4244	FD10W4244N (18-44 LPM ,Ratio 50:50)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

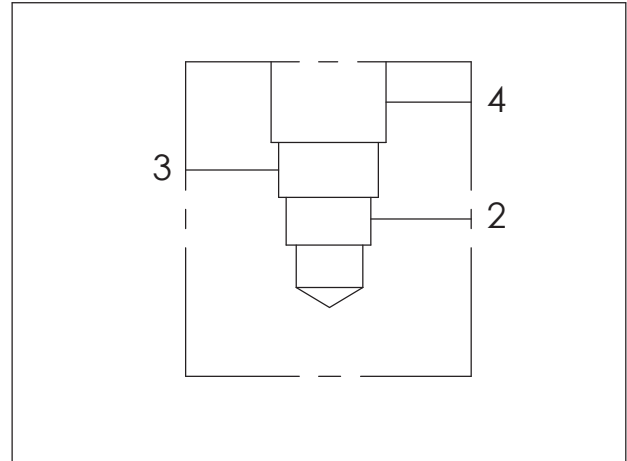
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-10W4-X-Y 11-Z**

10W4 Cavity

Mounting Holes:
Ø7.0mm. diameter
through hole 2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 10W4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.37 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

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X	PORT SIZE		
	PORT	PORTS	
	3	2,4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 3/8"	

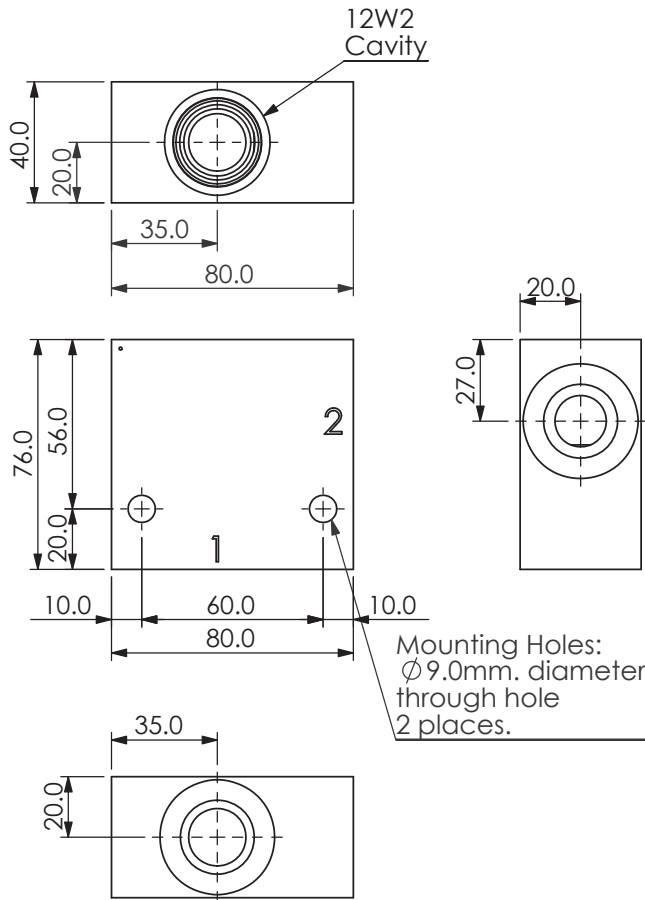
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
FD4003	FD10W4003N (1.2-3 LPM , Ratio 50:50)
FD4137	FD10W4137N (15-37 LPM , Ratio 50:50)
FD4244	FD10W4244N (18-44 LPM ,Ratio 50:50)

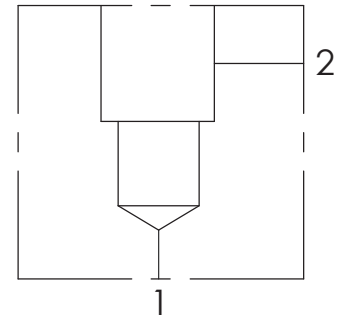
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-12W2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 12W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.51 kg(WITHOUT VALVES)
Ductile Iron	1.5 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G06	G 3/4"	G 3/4"	
P03	3/8"PT	3/8"PT	
P04	1/2"PT	1/2"PT	
S08	SAE 8	SAE 8	
S10	SAE 10	SAE 10	

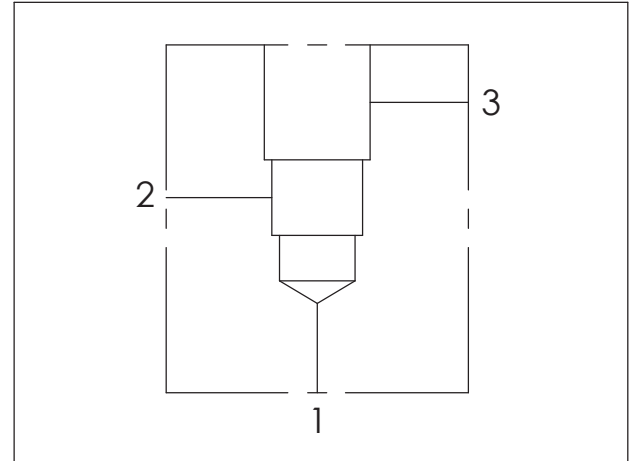
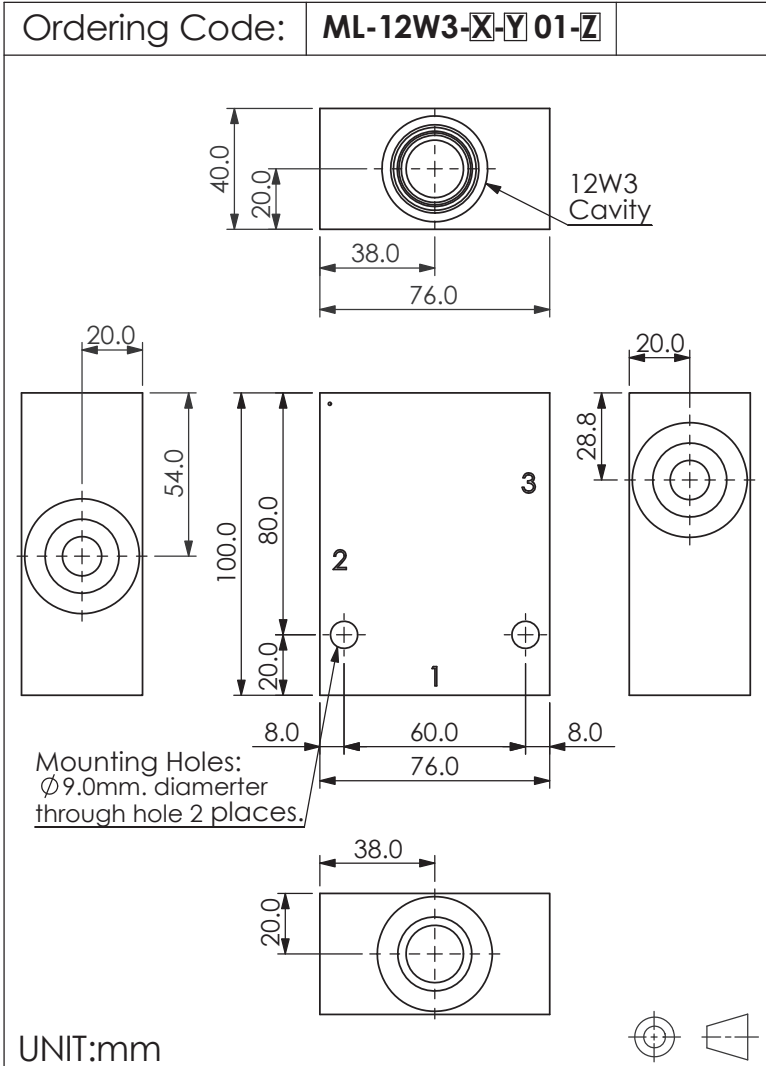
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV12W2003N (90LPM,0.3bar)	
NV0N	NV12W20NL (350bar)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 12W3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.62 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

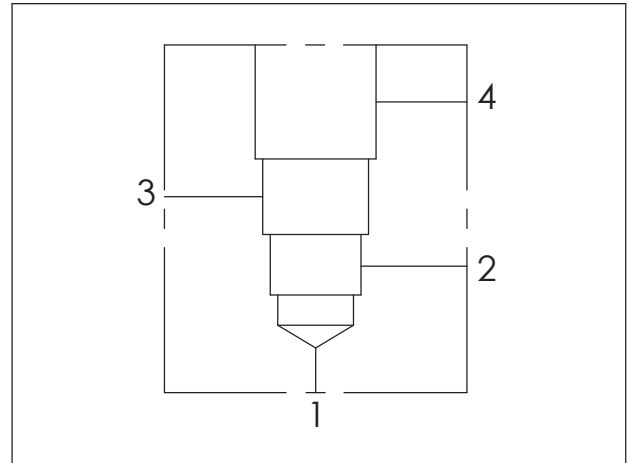
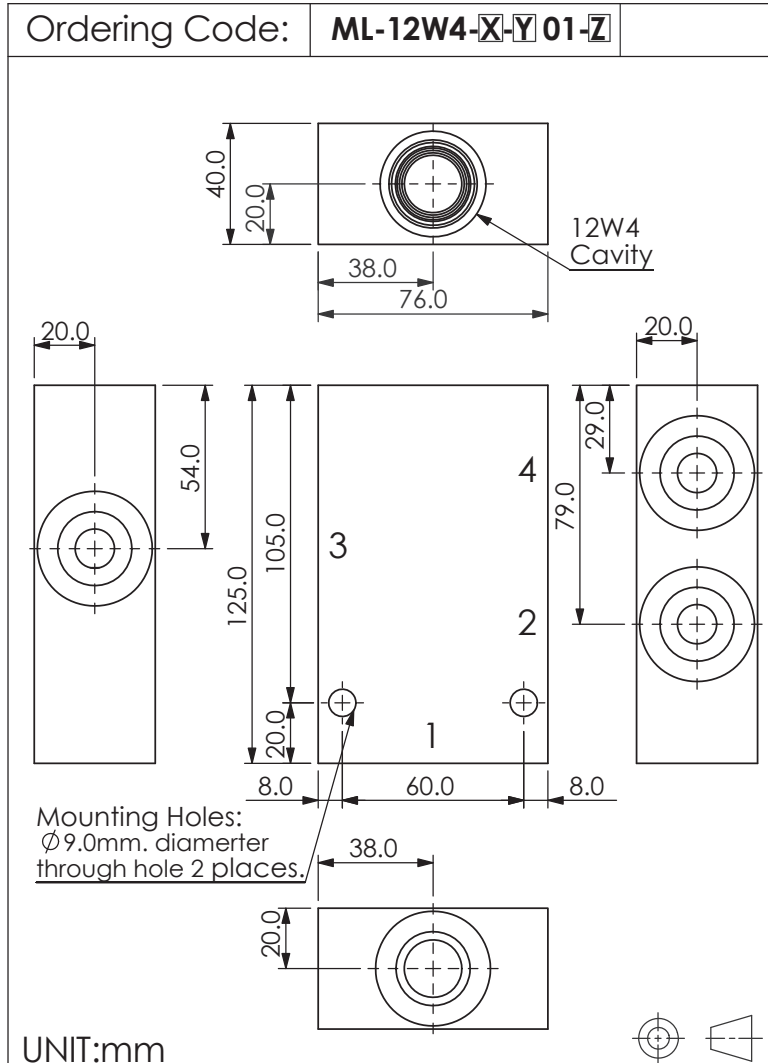
--	--

X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G06	G 3/4"	G 3/4"	

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron
 Body Pressure Rating: 350 bar

Cavity:

Refer to 12W4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.76 kg(WITHOUT VALVES)

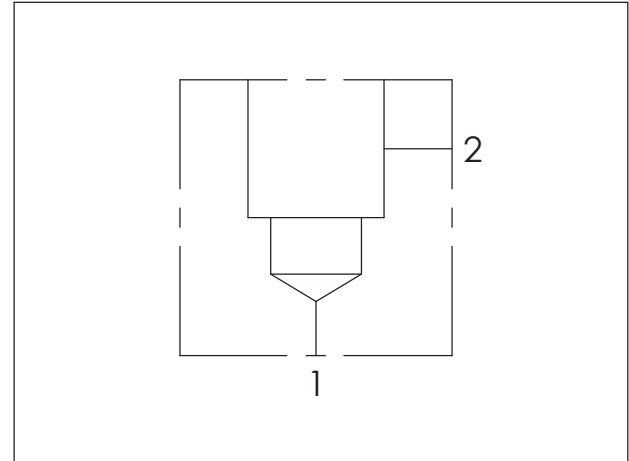
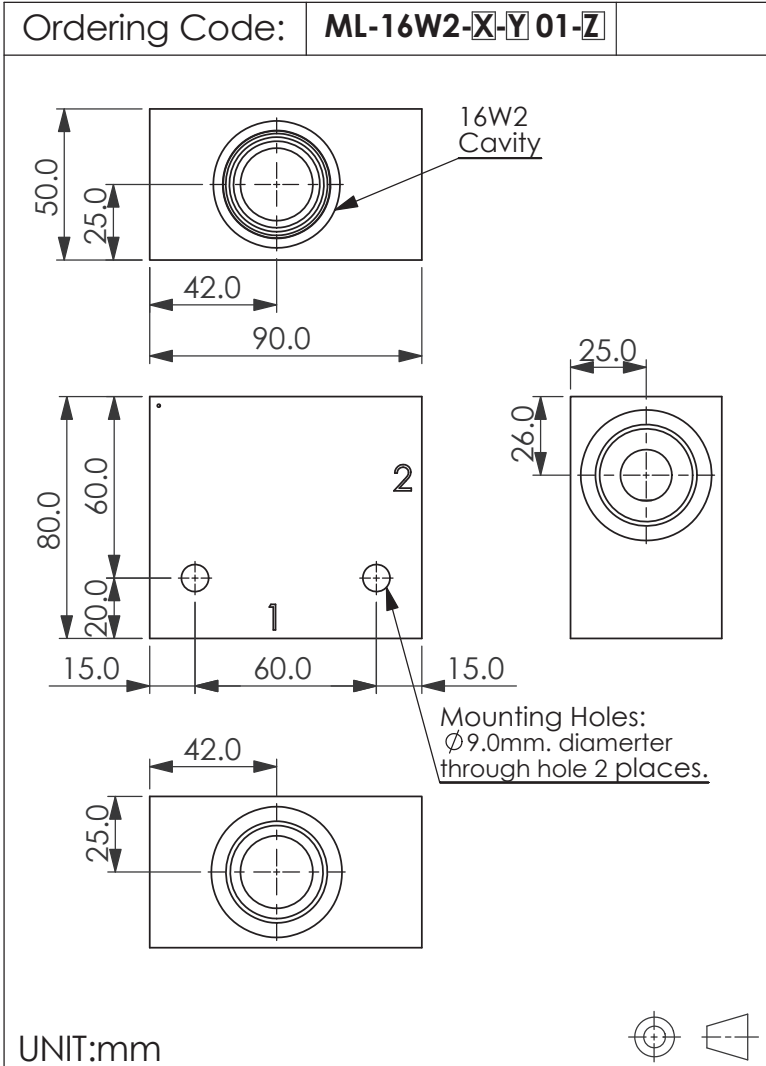
* If you need the special specification.
 Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2,3	4	
G06	G 3/4"	G 3/4"	

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 16W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES)
Ductile Iron	2.3 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORT	PORT	
	1	2	
G08	G 1"	G 1"	
P06	3/4"PT	3/4"PT	
P08	1"PT	1"PT	
S12	SAE 12	SAE 12	
S16	SAE 16	SAE 16	

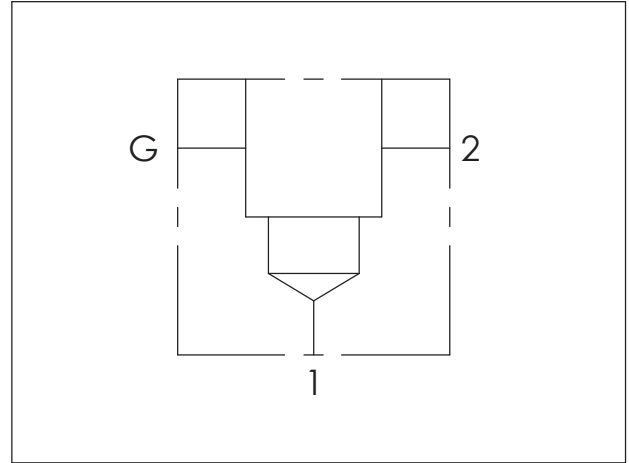
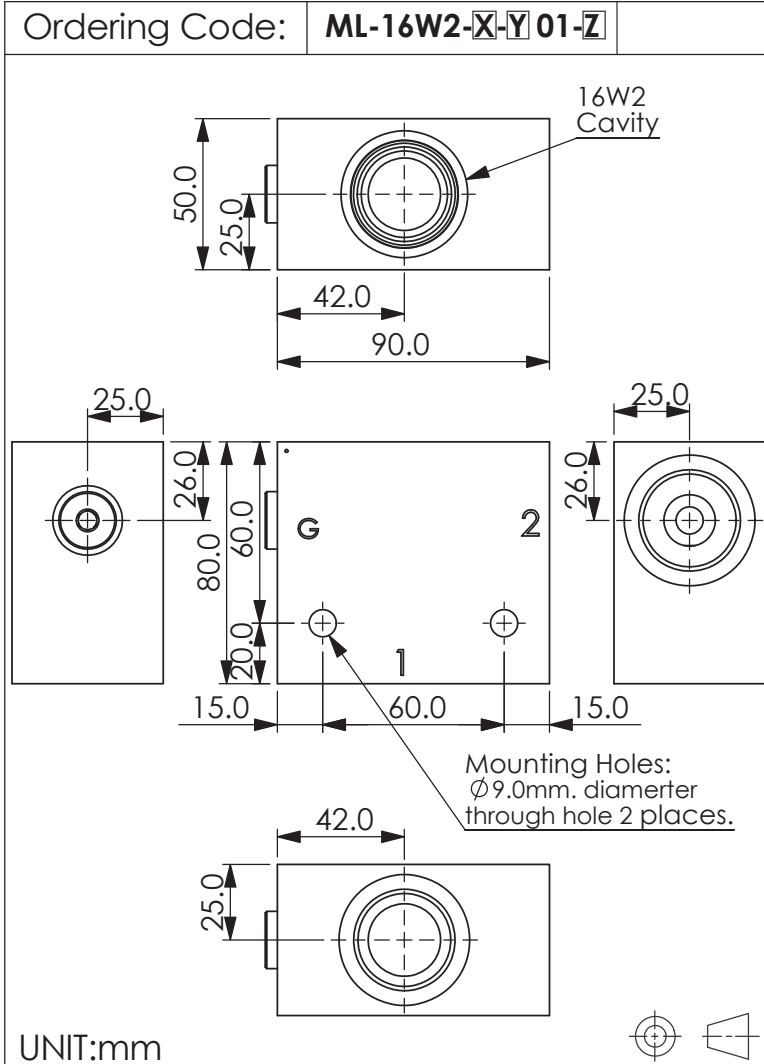
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV16W2003N (90LPM , 240bar)	
NV0N	NV16W20NL (350bar)	
EP01	EP16W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP16W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY
 (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

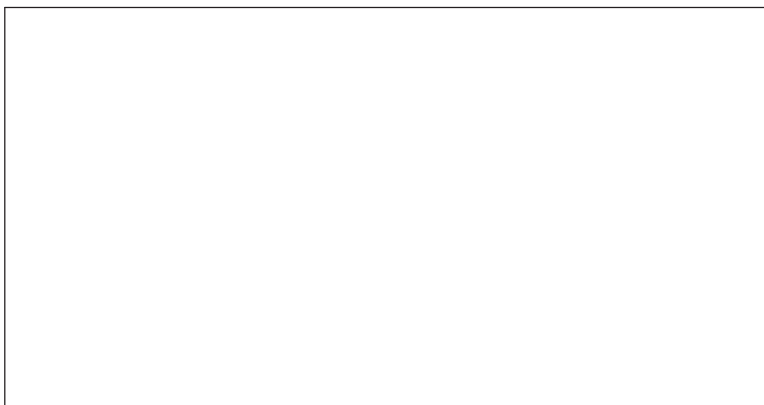
Cavity:

Refer to 16W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.



Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

X	PORT SIZE	
	PORTS	PORT
	1,2	G
G08G	G 1"	G 1/4"

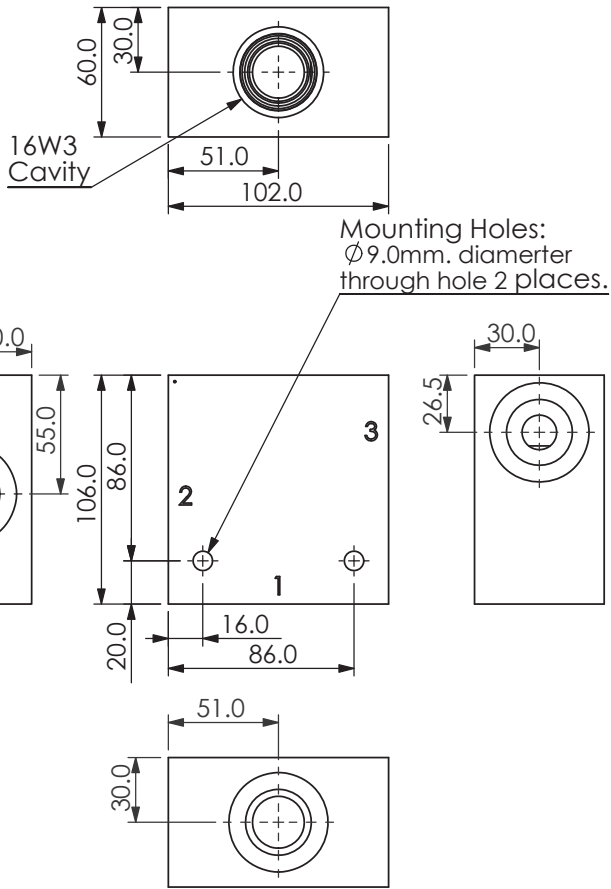
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
CV03	CV16W2003N (90LPM , 240bar)
NV0N	NV16W20NL (350bar)
EP01	EP16W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP16W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

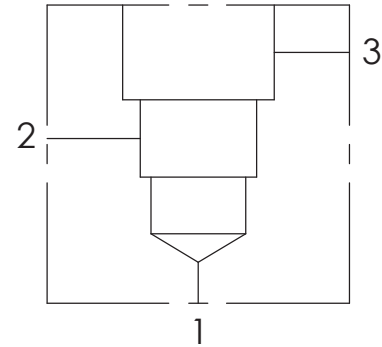
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-16W3-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 16W3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.4 kg(WITHOUT VALVES)

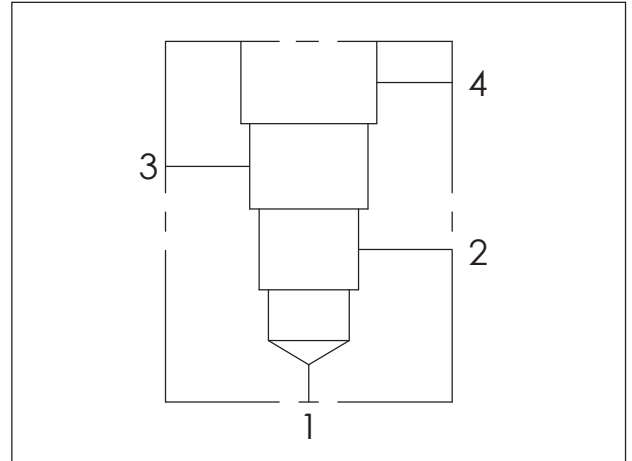
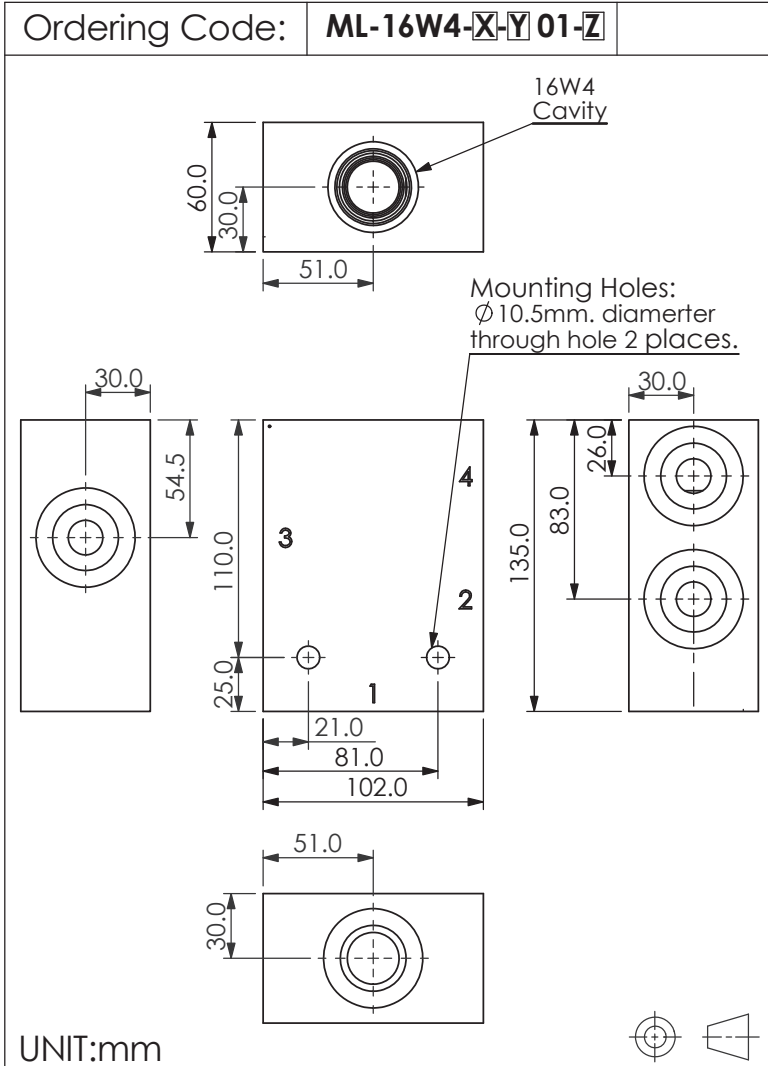
* If you need the special specification.
Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G08	G 1"	G 1"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 16W4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.78 kg(WITHOUT VALVES)
Ductile Iron	5.2 kg(WITHOUT VALVES)

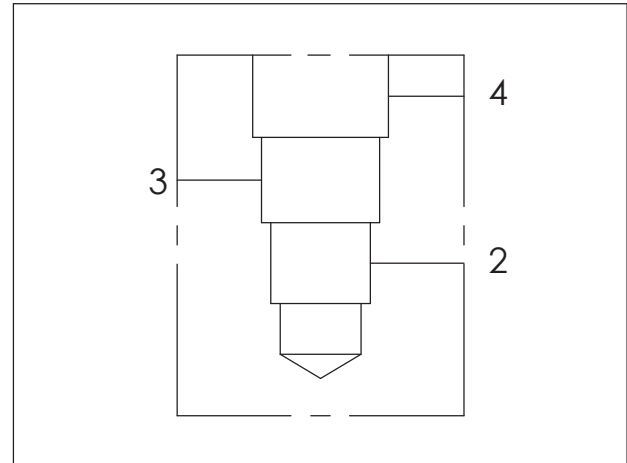
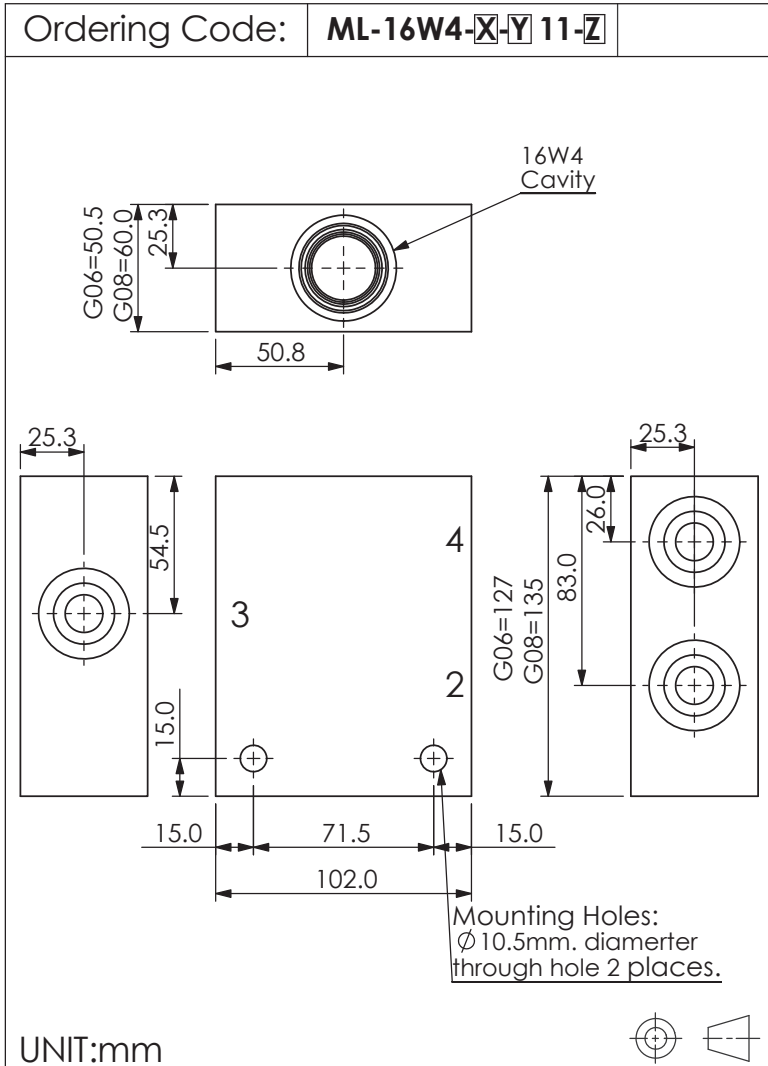
* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2,3	4	
G08	G 1"	G 1"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 16W4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.42 kg(WITHOUT VALVES)
Ductile Iron	4.2 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	2,3	4	
G06	G 3/4"	G 3/4"	
G08	G 1"	G 1"	

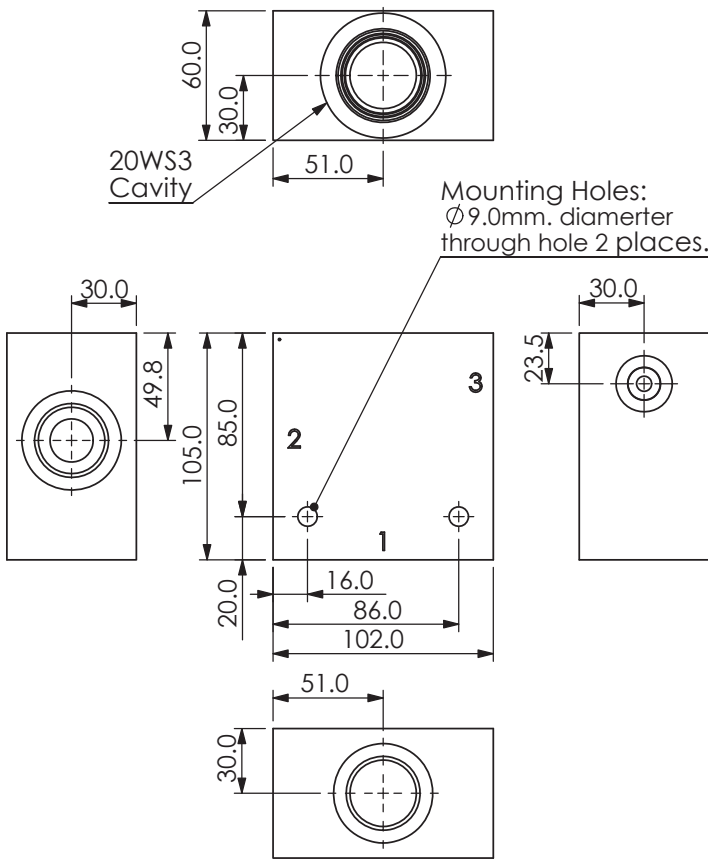
Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
FD90	FD16W4090N(30-90LPM,10-350bar ,RATIO 50:50)

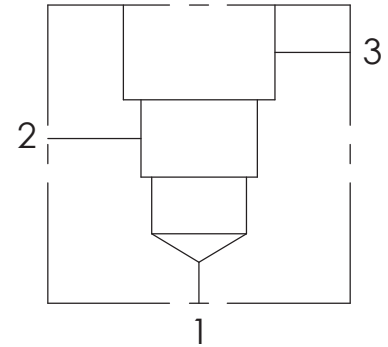
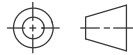
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-20WS3-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 20WS3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.35 kg(WITHOUT VALVES)

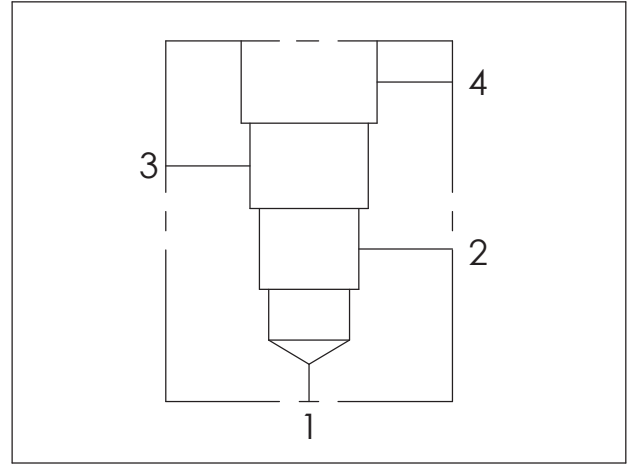
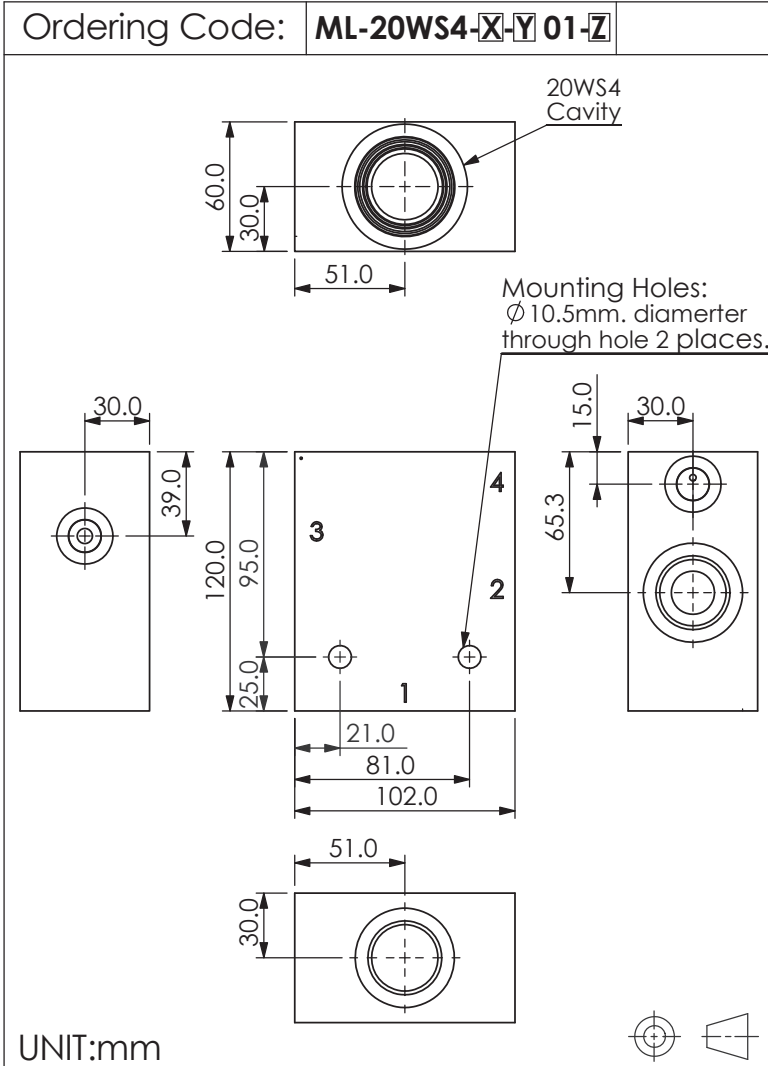
* If you need the special specification. Please contact us.

X	PORT SIZE		
	PORTS	PORT	
	1,2	3	
G08A	G 1"	G 3/8"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 20WS4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.50 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

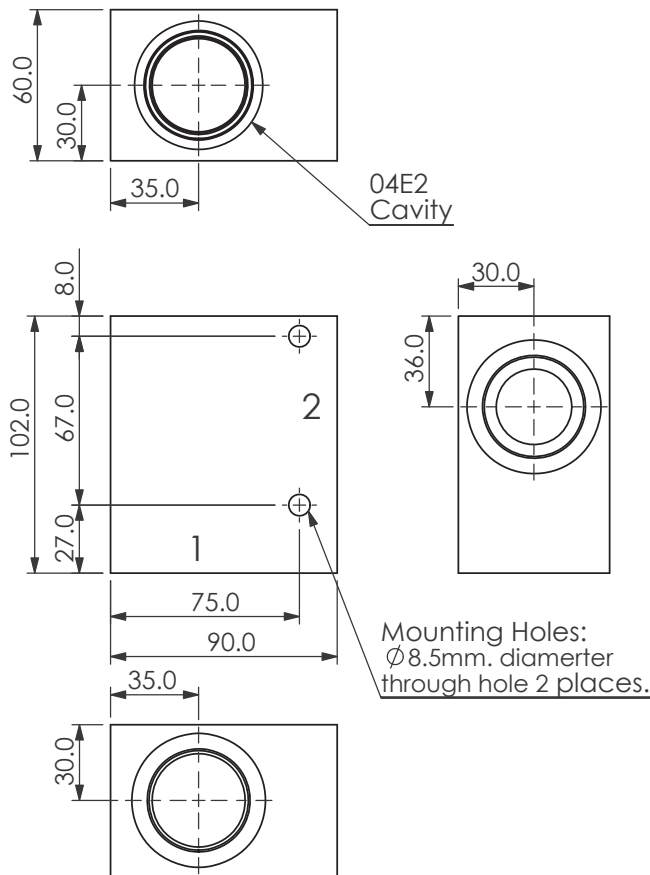
X	PORT SIZE		
	PORTS	PORTS	
	1,2	3,4	
G08A	G 1"	G 3/8"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

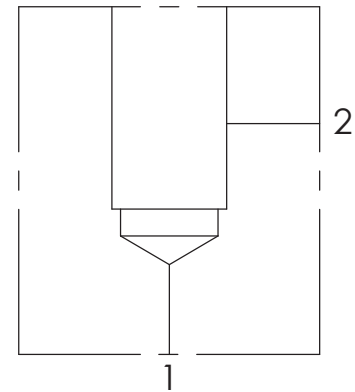
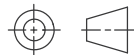
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-04E2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 04E2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85 kg(WITHOUT VALVES)
Ductile Iron	2.9 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

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Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

X	PORT SIZE		
	PORT 1	PORT 2	
	G08	G 1"	
G10	G1-1/4"	G1-1/4"	

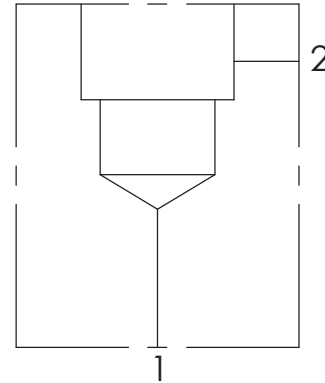
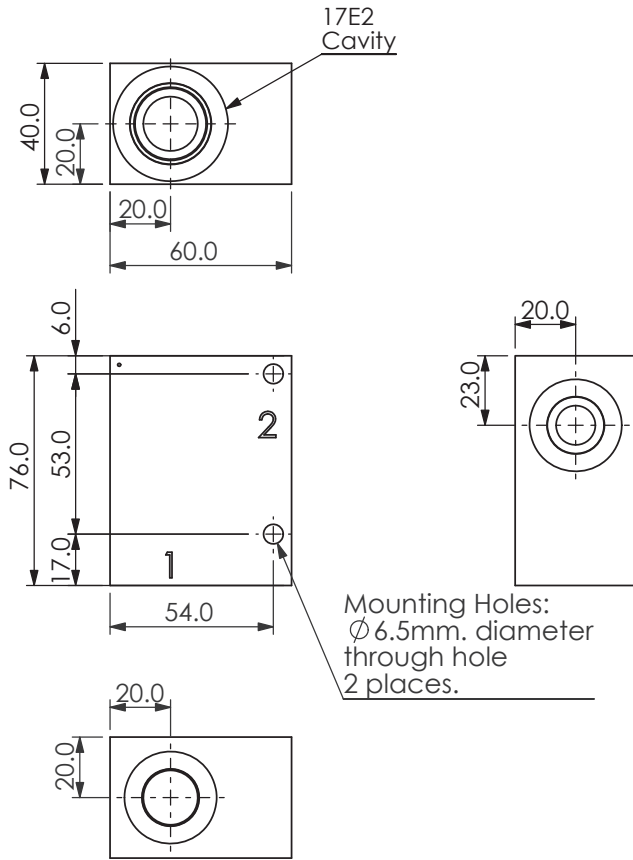
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
EP03	EP04E2A03N05 , 260LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP04	EP04E2A04N05 , 260LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP03M	EP04E2A03M05 , 260LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP04P	EP04E2A04P05 , 260LPM,350bar (NORMALLY OPEN,WITHOUT COIL)

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-17E2-X-Y 01-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 17E2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.38 kg(WITHOUT VALVES)
Ductile Iron	1.15 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

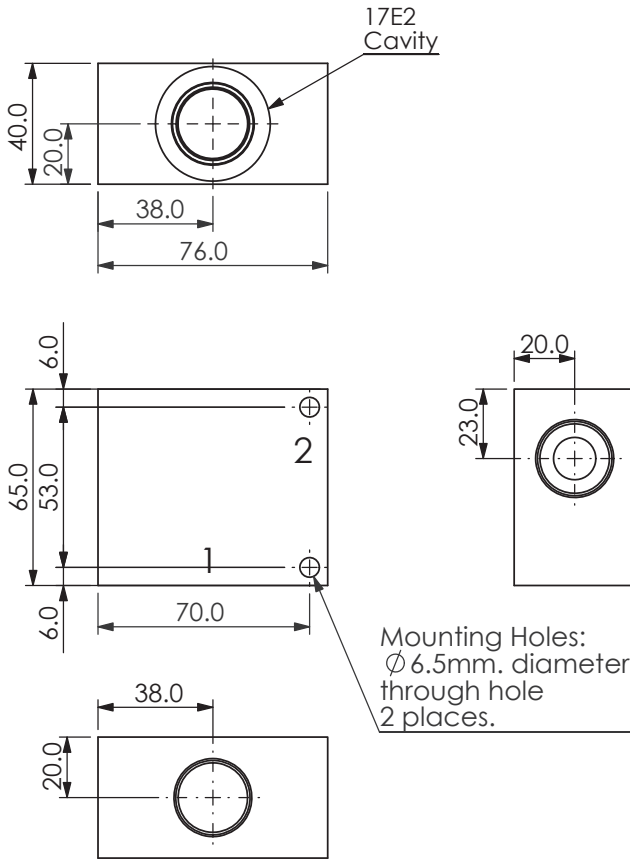
X	PORT SIZE		
	PORT 1	PORT 2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	
G06C	G 3/4"	G 1/2"	
P03	3/8"PT	3/8"PT	
P04	1/2"PT	1/2"PT	

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

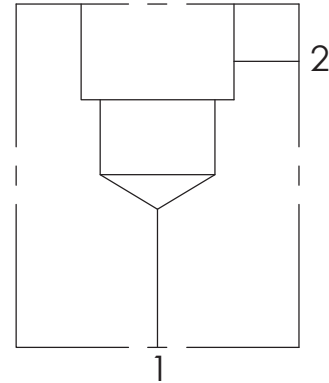
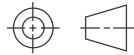
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
CV03	CV17E2203N(60LPM,0.3bar)
NV0N	NV17E20NL(350bar)
EP01	EP17E2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP17E2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)	
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-17E2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 17E2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.42 kg(WITHOUT VALVES)
Ductile Iron	1.2 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORT	PORT	
	1	2	
P06	3/4"PT	3/4"PT	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

CV03 CV17E2203N(60LPM,0.3bar)

NV0N NV17E20NL(350bar)

EP01 EP17E2A01N05 , 70LPM,350bar
(NORMALLY CLOSED,WITHOUT COIL)

EP02 EP17E2A02N05 , 70LPM,350bar
(NORMALLY OPEN,WITHOUT COIL)

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-19E2-X-Y 01-Z**

19E2 Cavity

40.0
20.0
16.0
50.0

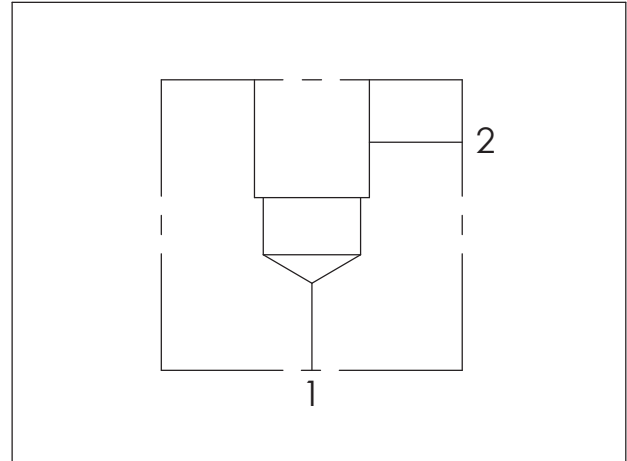
50.0
44.0
28.0
31.0
44.0

20.0
13.5

16.0
20.0

Mounting Holes:
Ø6.7mm. diameter
through hole 2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 19E2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

--

X	PORT SIZE		
	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

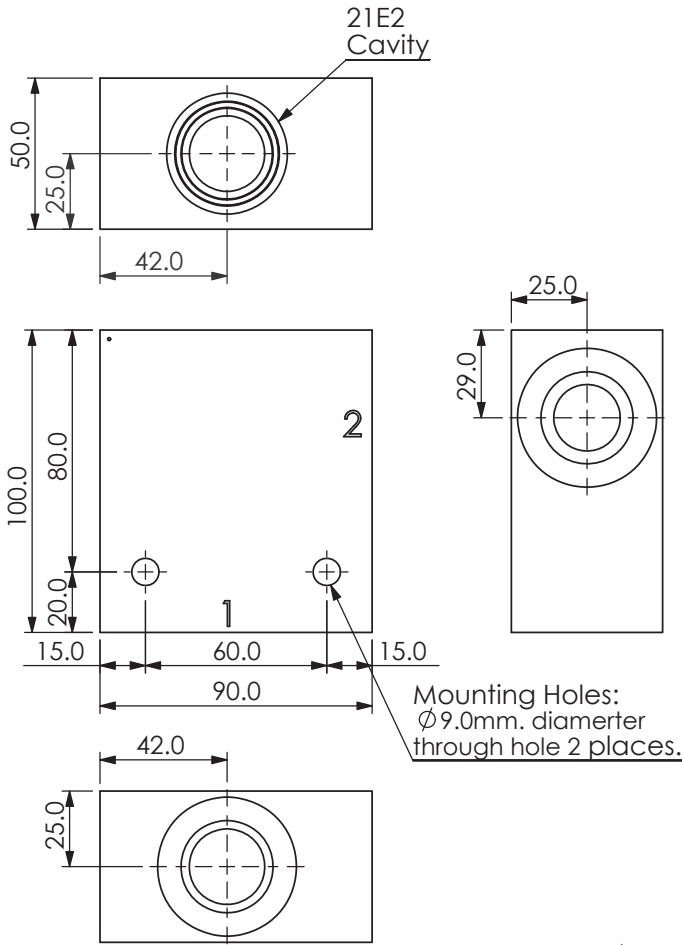
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE
EP11	EP19E2A11N05, 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP12	EP19E2A12N05, 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP11M	EP19E2A11M05, 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP12P	EP19E2A12P05, 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE, WITHOUT COIL)

**COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)**

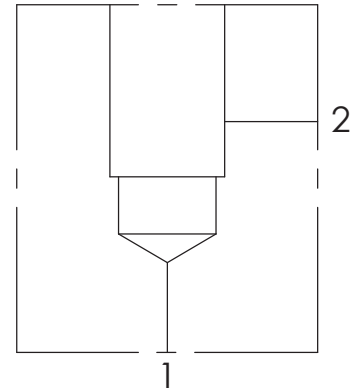
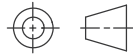
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-21E2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 21E2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES)
Ductile Iron	2.65 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORT	PORT	
	1	2	
G08	G 1"	G 1"	

Z CARTRIDGE VALVES SELECTION

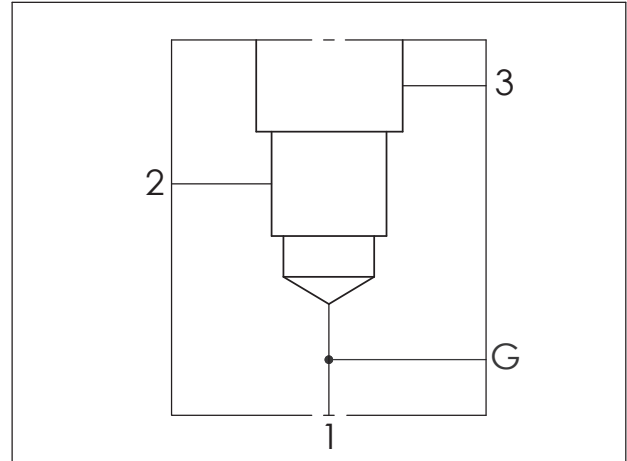
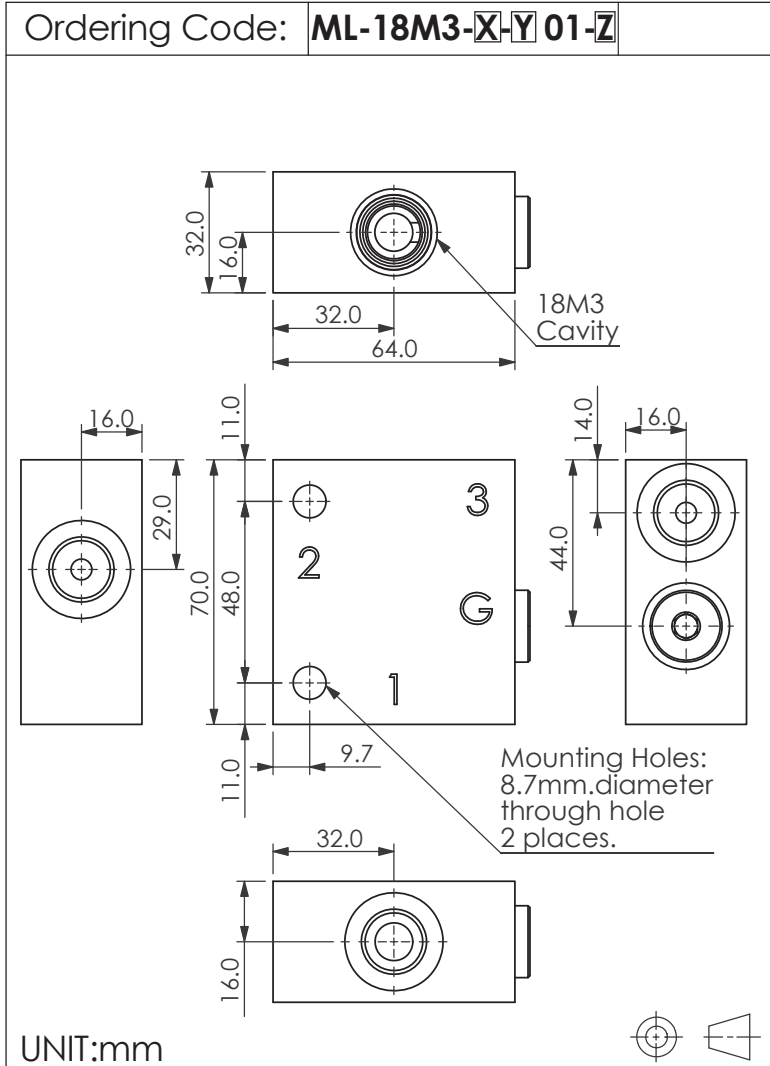
	WITHOUT VALVE	
CV10	CV21E2210N(100LPM,1.0bar)	
NV0N	NV21E20NL(350bar)	
EP01	EP21E2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP21E2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 18M3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)
Ductile Iron	0.9 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

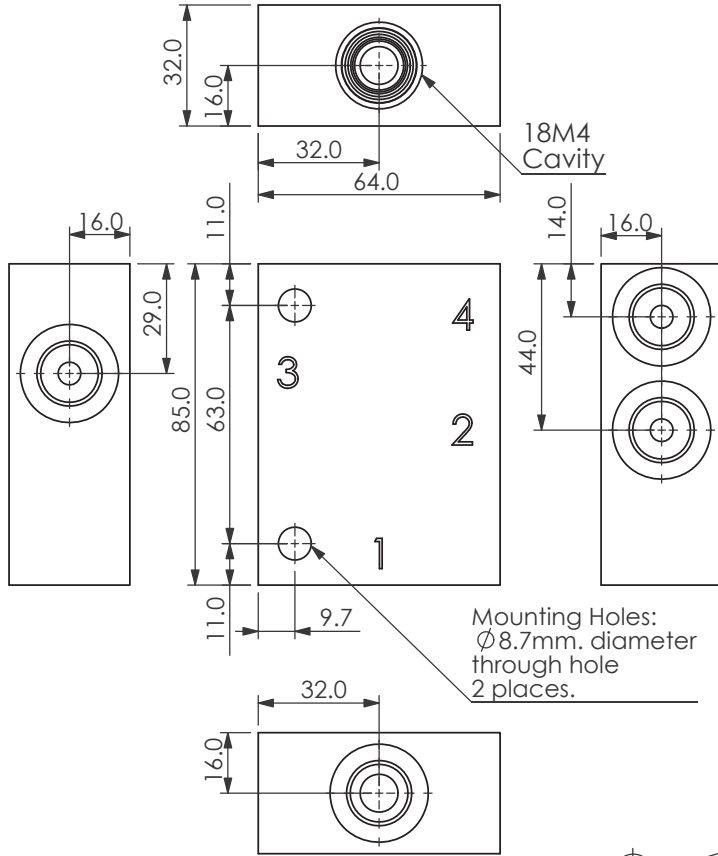
X	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G03G	G 3/8"	G 3/8"	G 1/4"

Y	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

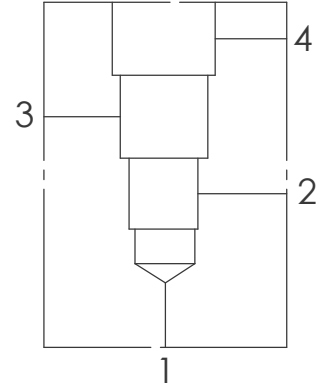
Z	CARTRIDGE VALVES SELECTION
	WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-18M4-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 18M4

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.4 kg(WITHOUT VALVES)
Ductile Iron	1.1 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

PORT SIZE

X	PORTS	PORTS	
	1,2	3,4	
G03	G 3/8"	G 3/8"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

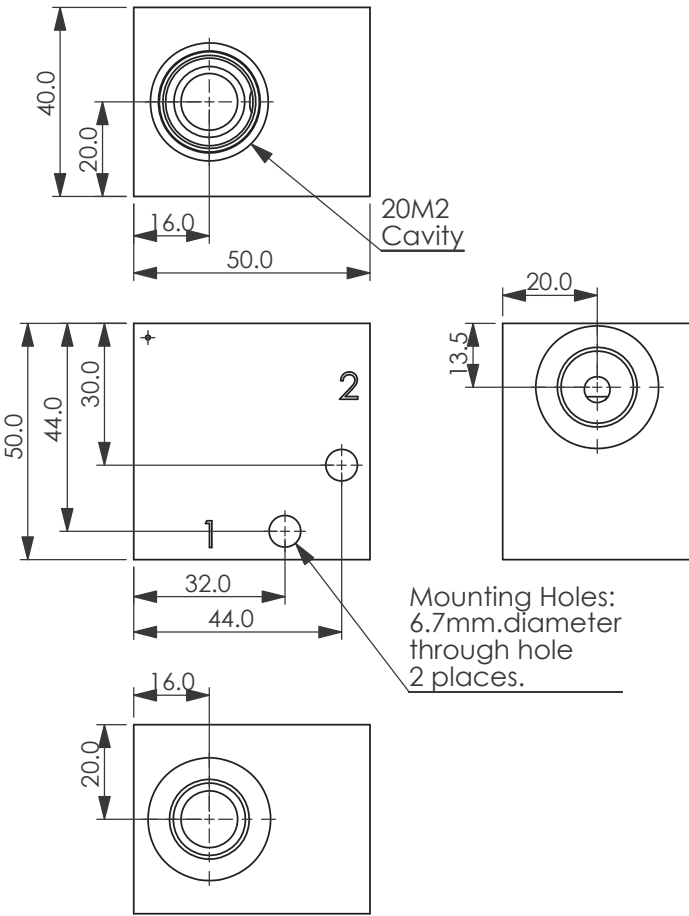
S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

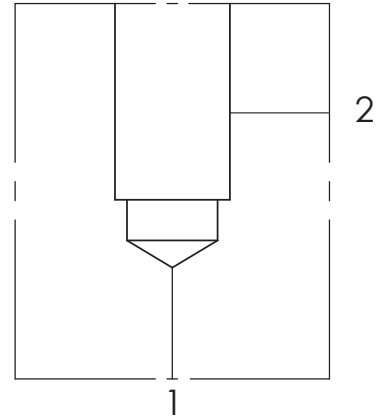
WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-20M2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 20M2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)
Ductile Iron	0.65 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

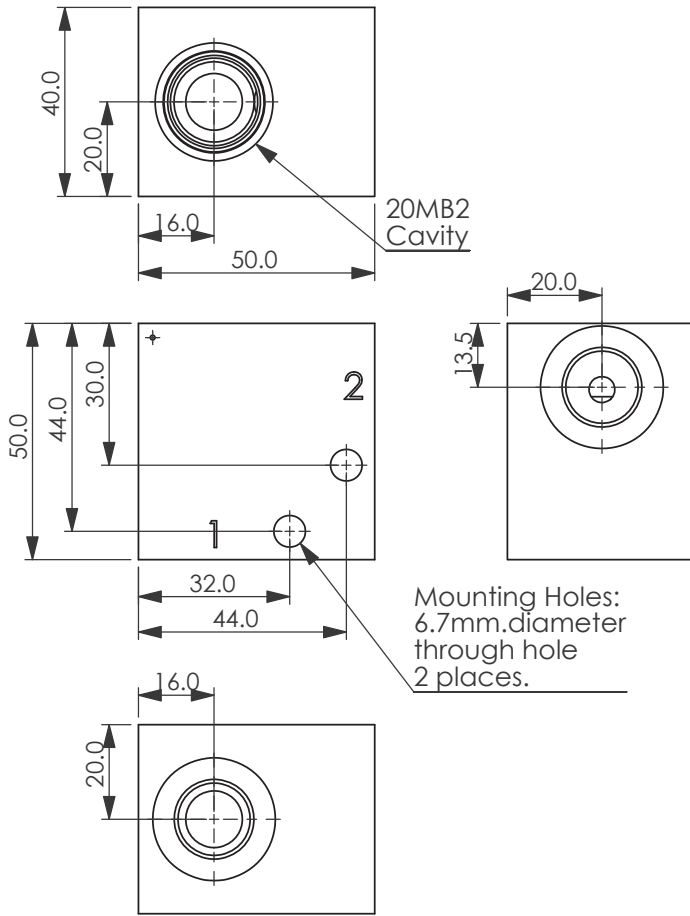
S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

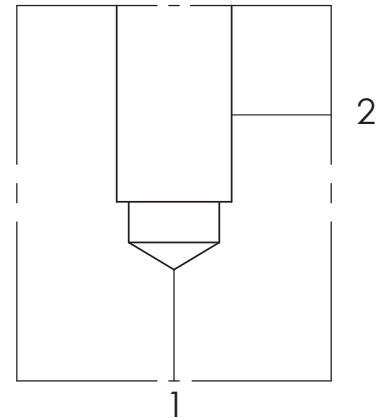
WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-20MB2-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 20MB2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)
Ductile Iron	0.65 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Y BODY MATERIAL

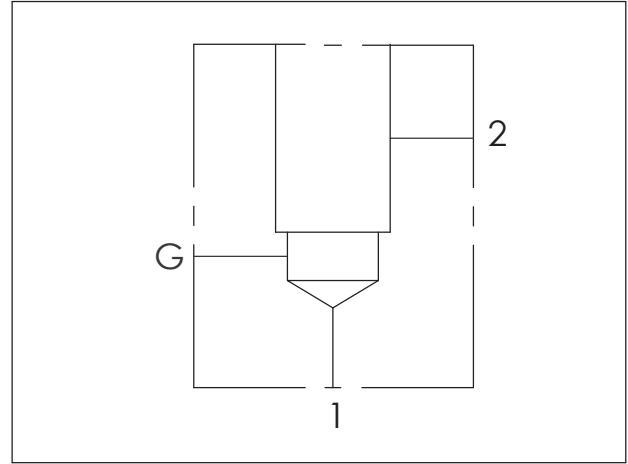
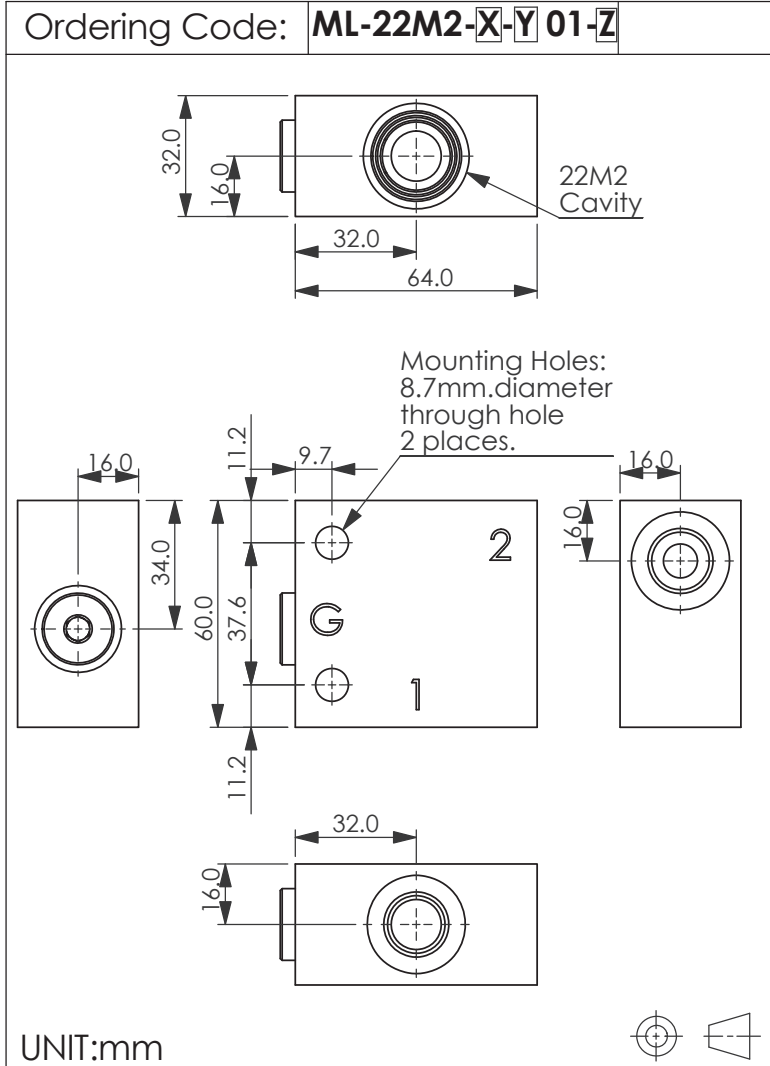
A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:

Refer to 22M2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.3	kg(WITHOUT VALVES)
Ductile Iron	0.75	kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

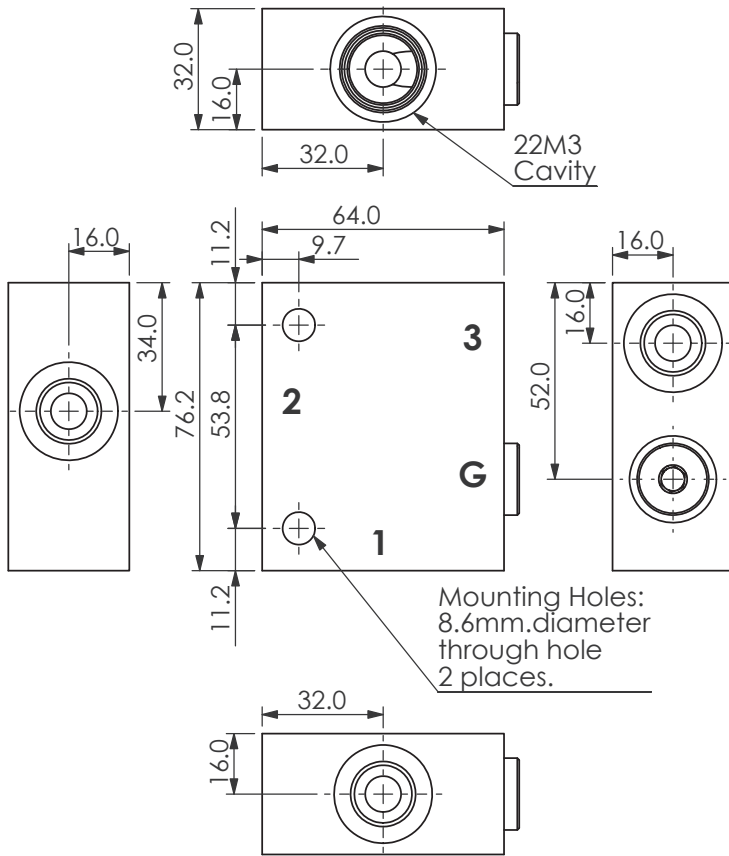
X	PORT SIZE		
	PORTS	PORT	
	1,2	G	
G03G	G 3/8"	G 1/4"	

Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

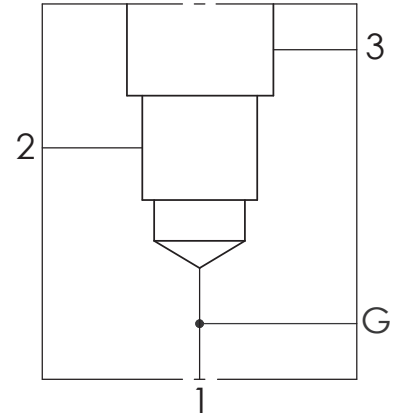
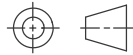
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-22M3-X-Y 01-Z**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Cavity:

Refer to 22M3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORTS	PORT	PORT
	1,2	3	G
G03G	G 3/8"	G 3/8"	G 1/4"

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

Z CARTRIDGE VALVES SELECTION

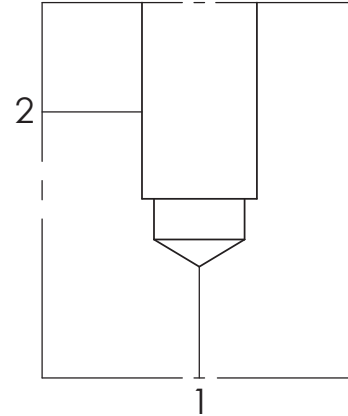
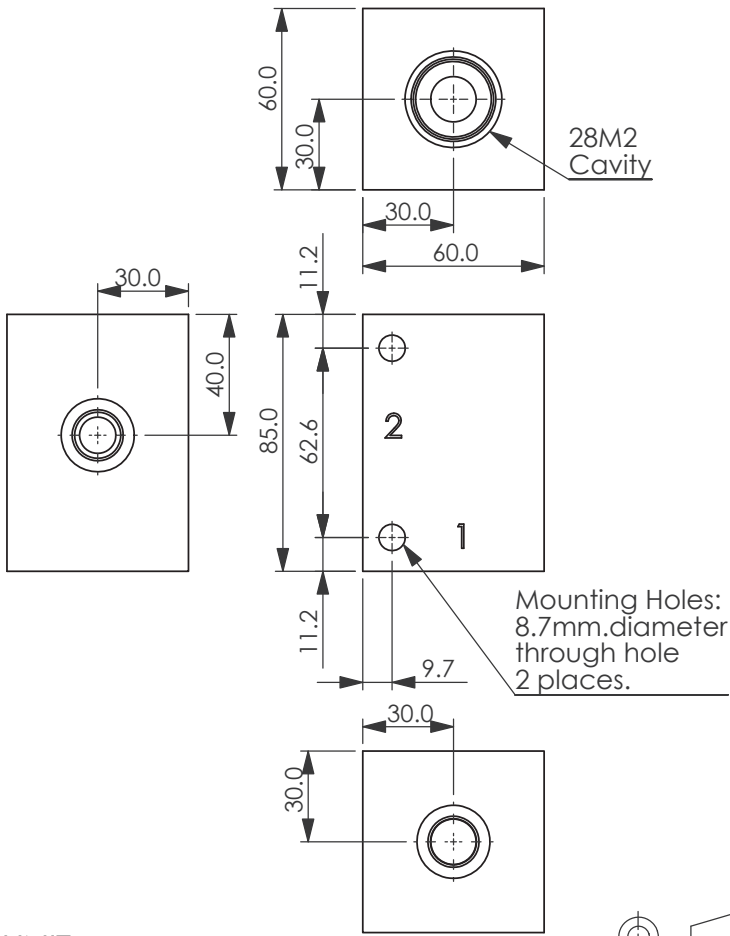
WITHOUT VALVE

CO50 CO22M3C50N(30LPM,5.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-28M2-X-Y 01-Z**



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:

Refer to 28M2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.71 kg(WITHOUT VALVES)
Ductile Iron	2.15 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

PORT SIZE

X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Y BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

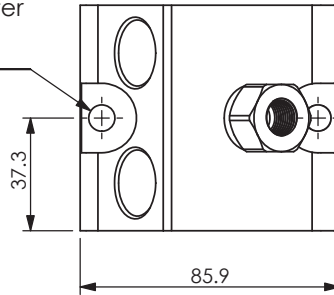
Z CARTRIDGE VALVES SELECTION

WITHOUT VALVE

STANDARD MANIFOLD LINE MOUNT BODIES

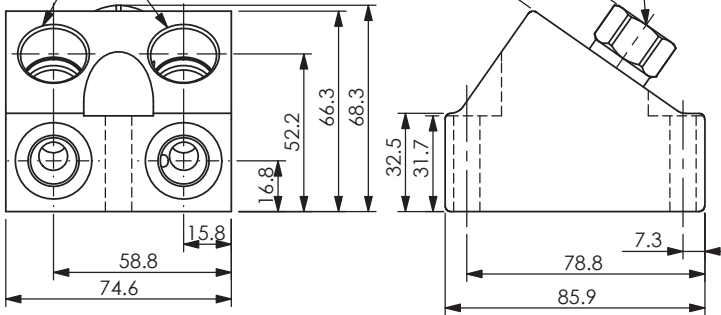
Ordering Code: **ML-60-CDK-X-Y-Z-A41**

Mounting Holes:
Ø8.7mm. diameter
through hole.
2 places.

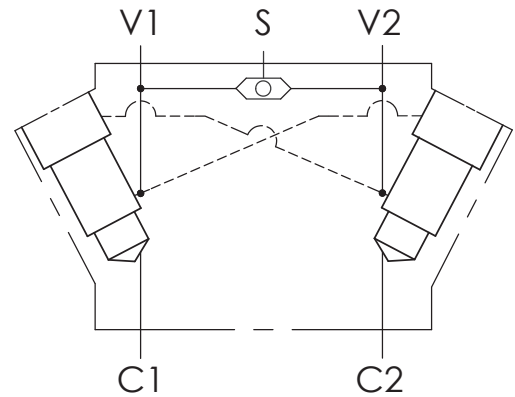
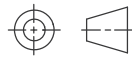


11A3 Cavity
Locating Shoulder
Depth 17.5 mm.
2 places.

Shuttle port "S"
in end of hex.



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3

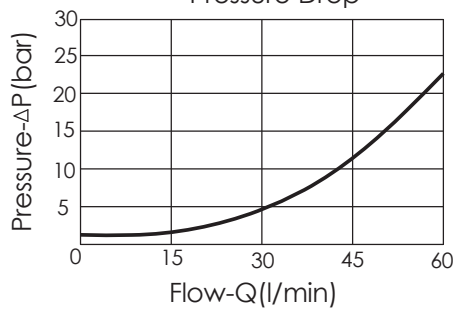
Shuttle valve:
Refer to LS13A20NG02

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT CONTERBALAN VALVE) (WITH SHUTTLE VALVE)
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* If you need the special specification.
Please contact us.

Free Flow or Piloted Open
Pressure Drop



X CARTRIDGE VALVES SELECTION

11A3	WITHOUT VALVE
CB0J	CB11A30JL , 10:1 , 350bar
CB4J	CB11A34JL , 4.5:1 , 350bar

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Y CARTRIDGE VALVES SELECTION

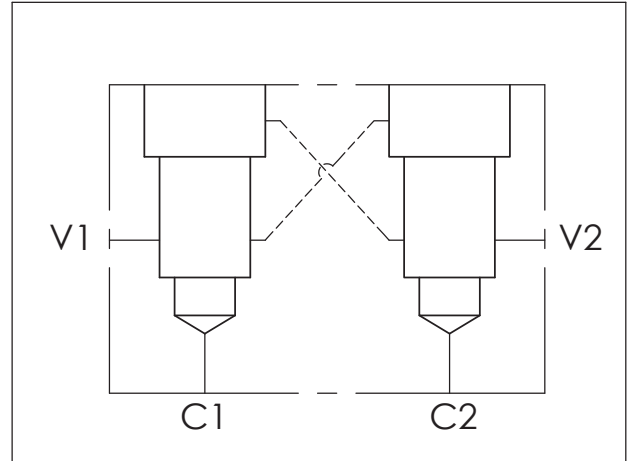
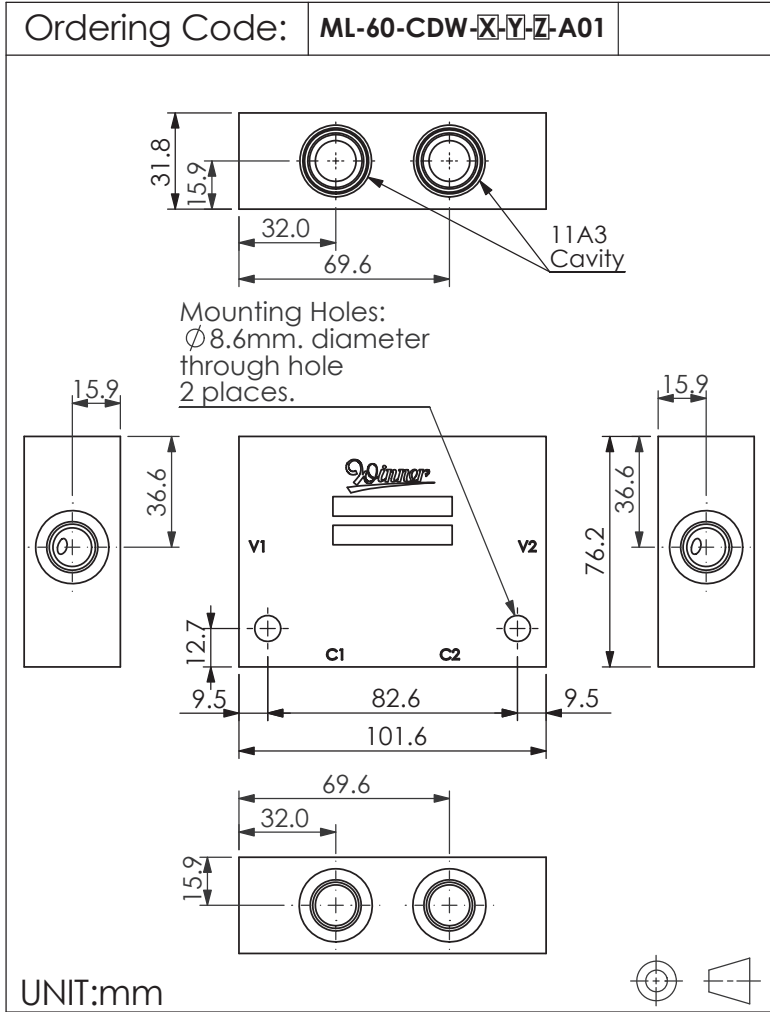
11A3	WITHOUT VALVE
CB0J	CB11A30JL , 10:1 , 350bar
CB4J	CB11A34JL , 4.5:1 , 350bar

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Z PORT SIZE

Z	PORT	PORT	PORT
	1	2	S
G03	G 3/8"	G 3/8"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.69 kg(WITHOUT VALVES)

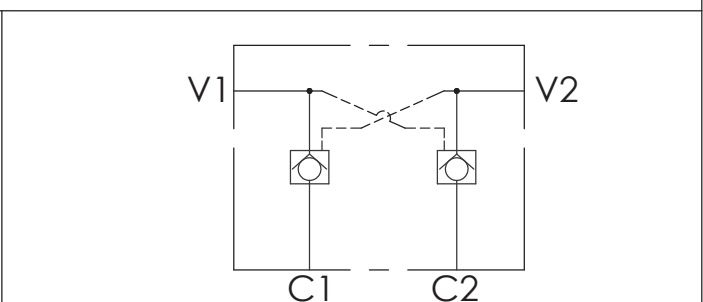
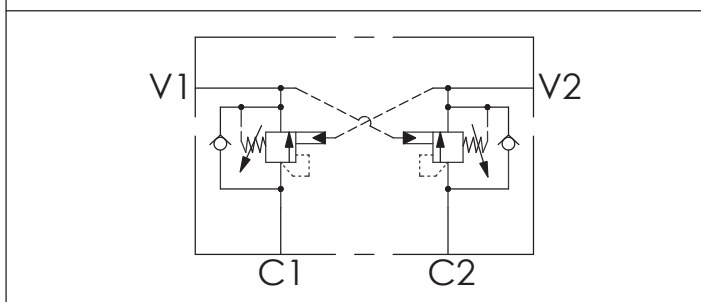
* If you need the special specification.
Please contact us.

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G02	G 1/4"	G 1/4"
G03	G 3/8"	G 3/8"
G04	G 1/2"	G 1/2"
A02	1/4"NPT	1/4"NPT
A03	3/8"NPT	3/8"NPT
S06	SAE 6	SAE 6
S08	SAE 8	SAE 8

X	SELECTION FOR V1 PORT CONTROL	
11A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (2.0bar)	

Y	SELECTION FOR V2 PORT CONTROL	
11A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (2.0bar)	

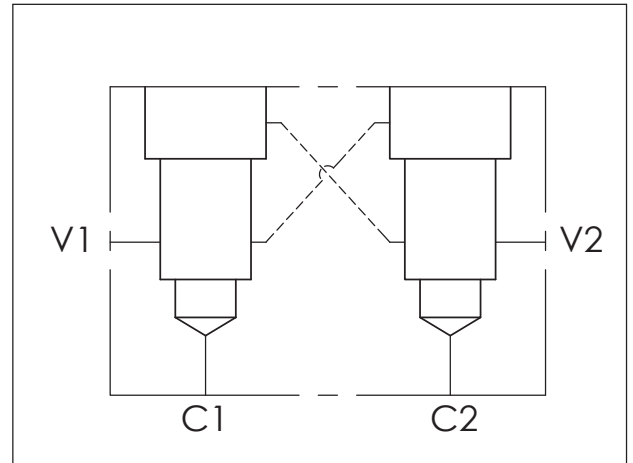
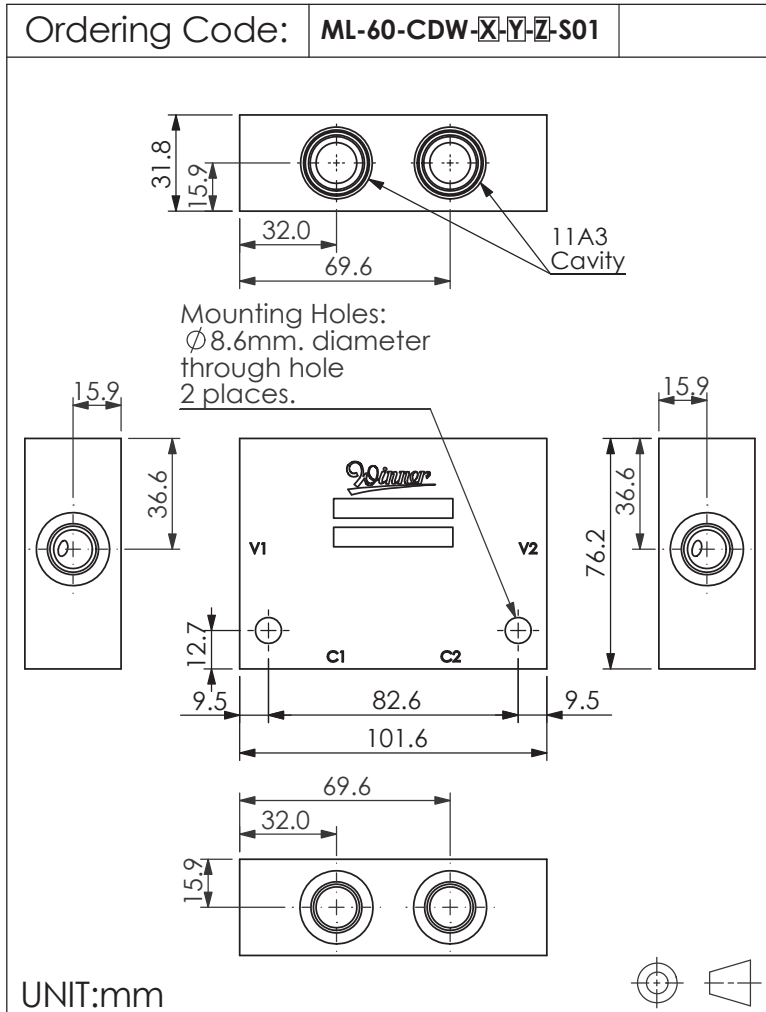
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-60-CDW-CB3H-CB3H-A01**

Ordering Code: **ML-60-CDW-CO20-CO20-A01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	2.11 kg(WITHOUT VALVES)

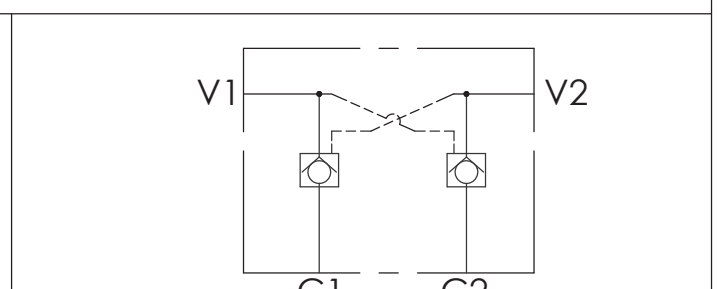
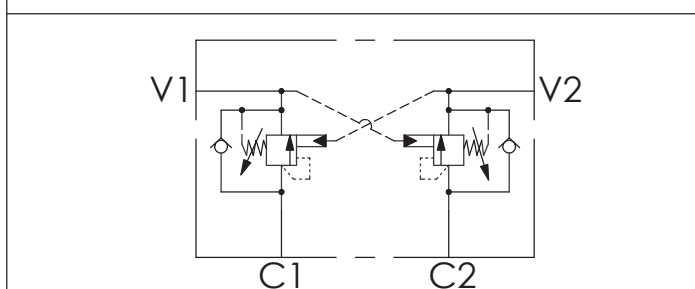
* If you need the special specification.
Please contact us.

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G02	G 1/4"	G 1/4"
G03	G 3/8"	G 3/8"
G04	G 1/2"	G 1/2"
A02	1/4"NPT	1/4"NPT
A03	3/8"NPT	3/8"NPT
S06	SAE 6	SAE 6
S08	SAE 8	SAE 8

X	SELECTION FOR V1 PORT CONTROL	
11A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (2.0bar)	

Y	SELECTION FOR V2 PORT CONTROL	
11A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (2.0bar)	

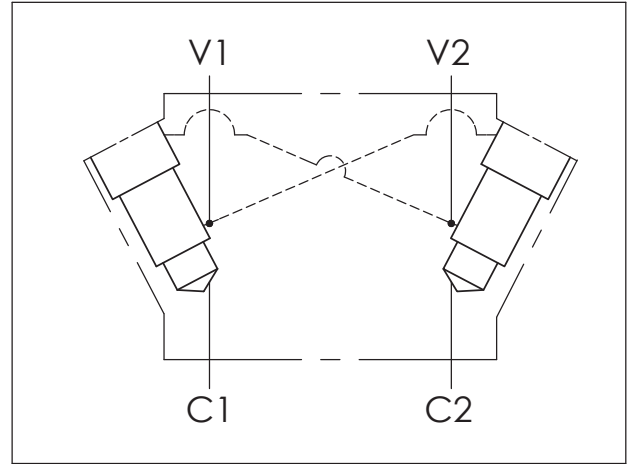
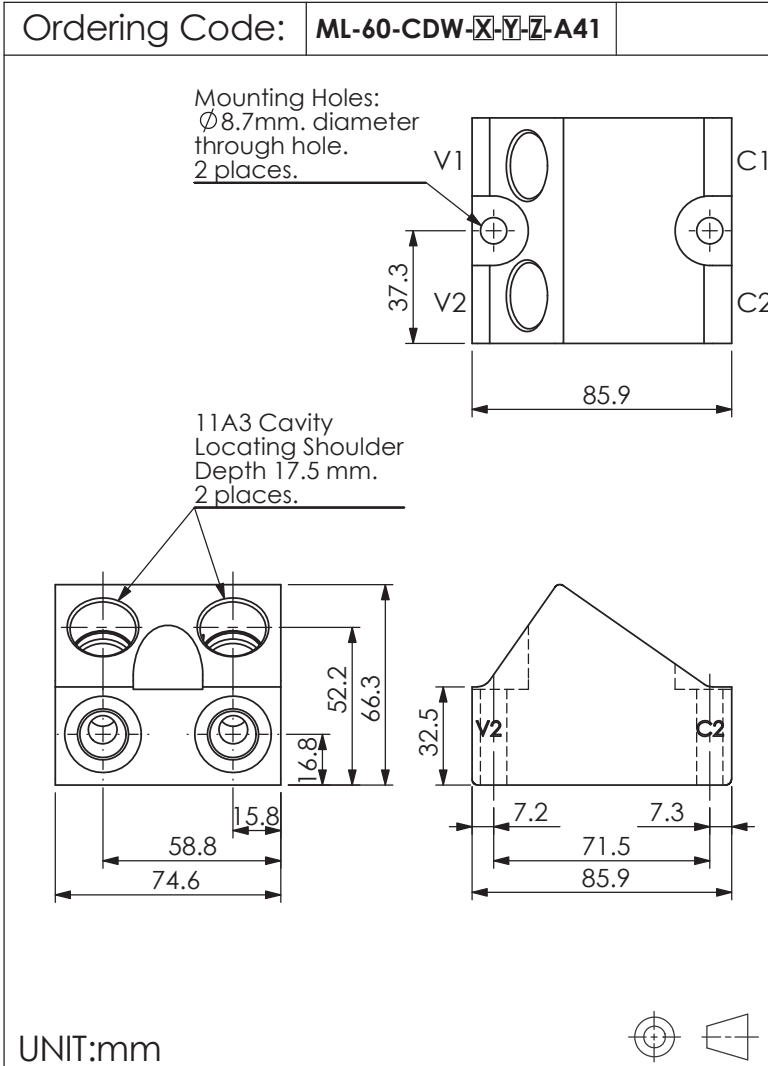
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-60-CDW-CB3H-CB3H-S01**

Ordering Code: **ML-60-CDW-CO20-CO20-S01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.65 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

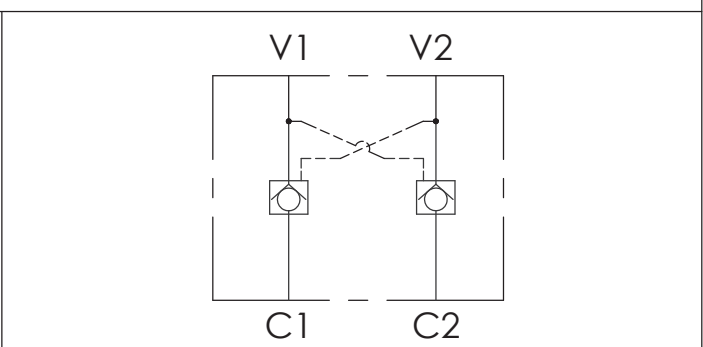
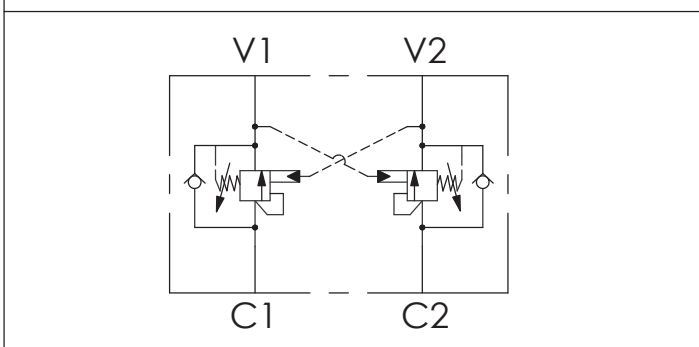
Y	SELECTION FOR V2 PORT CONTROL
11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CO20	CO11A3020N (2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

X	SELECTION FOR V1 PORT CONTROL
11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CO20	CO11A3020N (2.0bar)

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G03	G 3/8"	G 3/8"
G04	G 1/2"	G 1/2"

HYDRAULIC CIRCUITS(WITH VALVES)



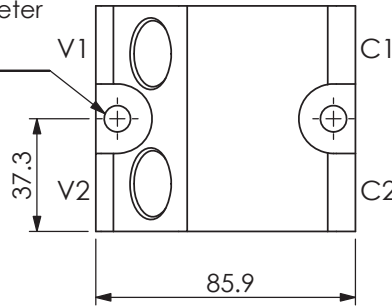
Ordering Code: **ML-60-CDW-CB3H-CB3H-A41**

Ordering Code: **ML-60-CDW-CO20-CO20-A41**

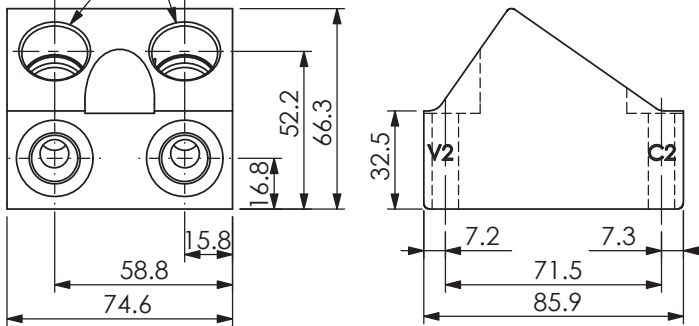
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-60-CDW-X-Y-Z-S41**

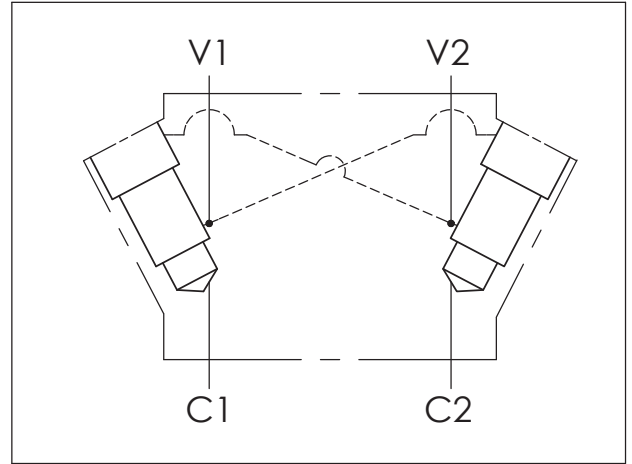
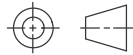
Mounting Holes:
Ø8.7mm. diameter
through hole.
2 places.



11A3 Cavity
Locating Shoulder
Depth 17.5 mm.
2 places.



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	1.90 kg(WITHOUT VALVES)
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* If you need the special specification.
Please contact us.

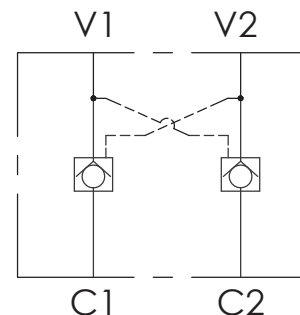
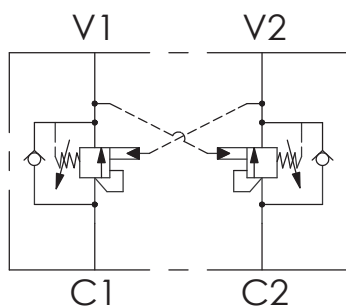
Y	SELECTION FOR V2 PORT CONTROL
11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CO20	CO11A3020N (2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

X	SELECTION FOR V1 PORT CONTROL
11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CO20	CO11A3020N (2.0bar)

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G03	G 3/8"	G 3/8"
G04	G 1/2"	G 1/2"

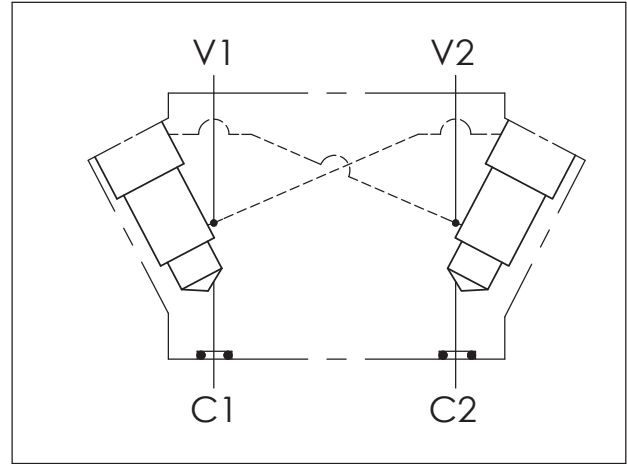
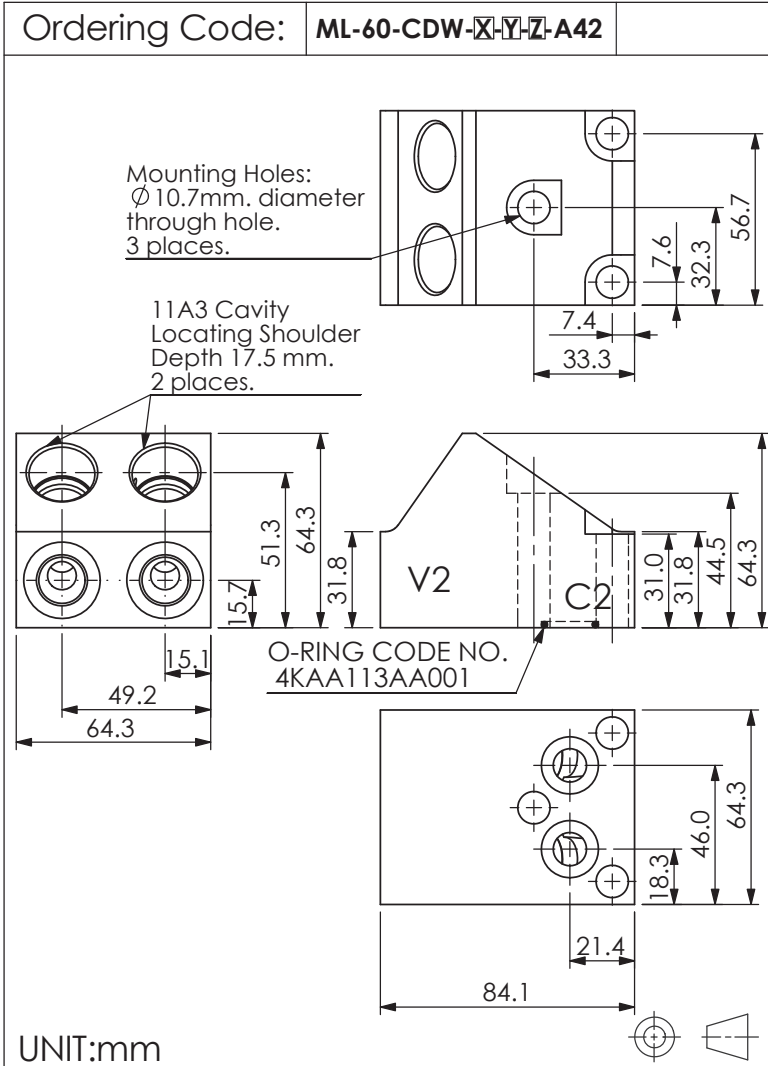
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-60-CDW-CB3H-CB3H-S41**

Ordering Code: **ML-60-CDW-CO20-CO20-S41**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.52 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

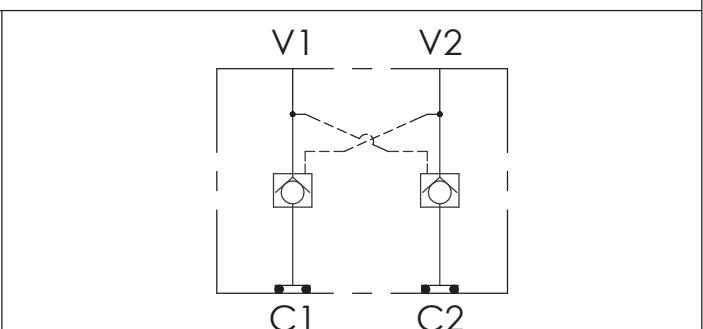
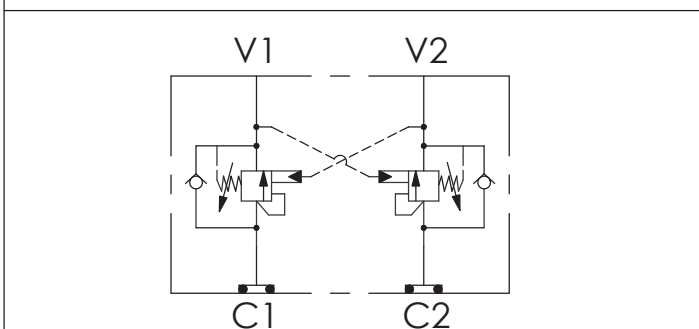
Y	SELECTION FOR V2 PORT CONTROL
11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CB4J	CB11A34JL (4.5:1 , 350bar)
CO20	CO11A3020N (2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

X	SELECTION FOR V1 PORT CONTROL
11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CB4J	CB11A34JL (4.5:1 , 350bar)
CO20	CO11A3020N (2.0bar)

Z	PORT SIZE	
	PORTS	
G03	V1,V2	G 3/8"

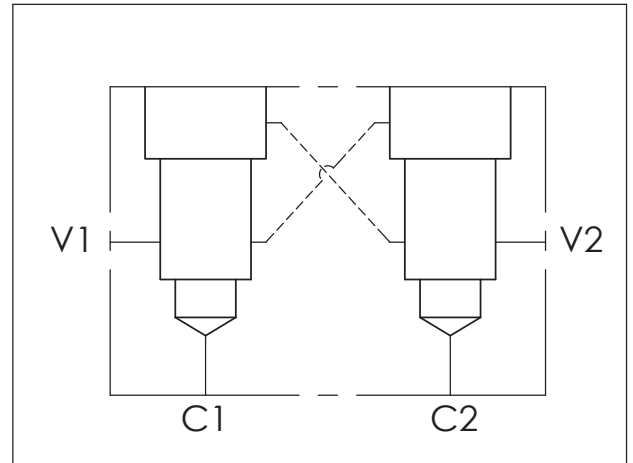
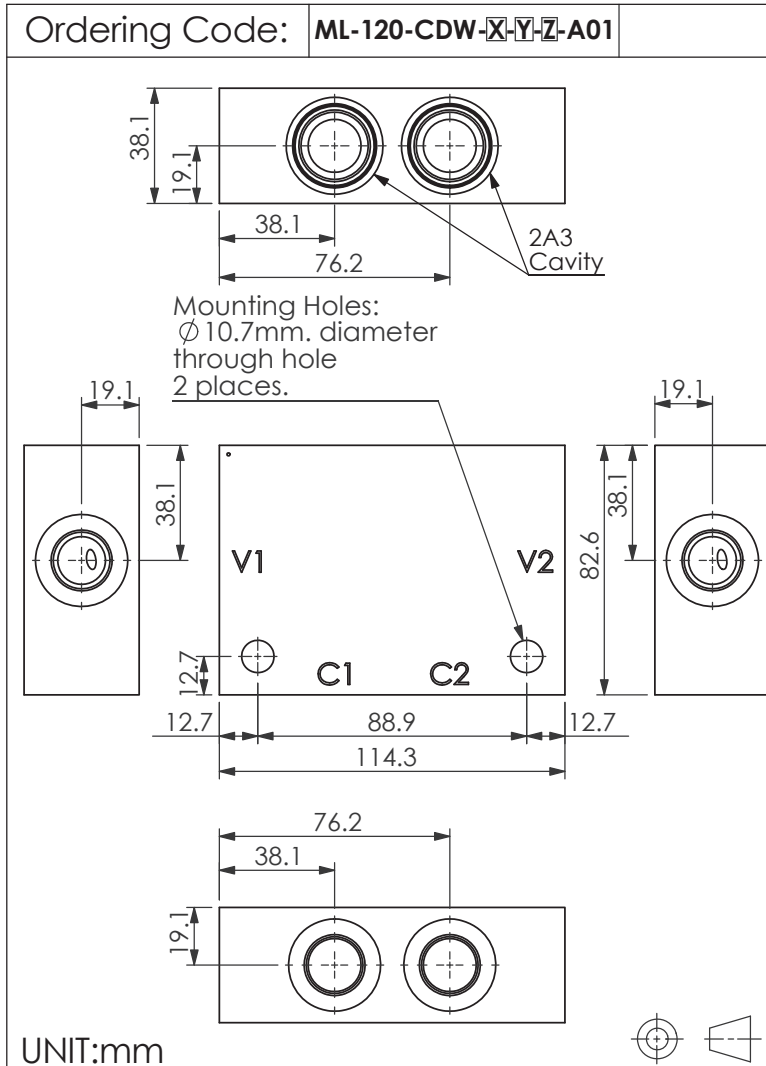
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-60-CDW-CB3H-CB3H-A42**

Ordering Code: **ML-60-CDW-CO20-CO20-A42**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT VALVES)

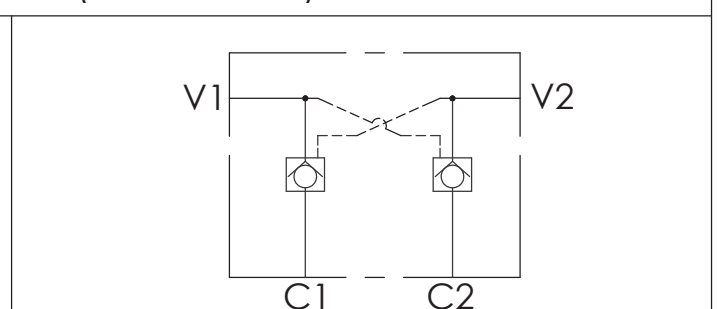
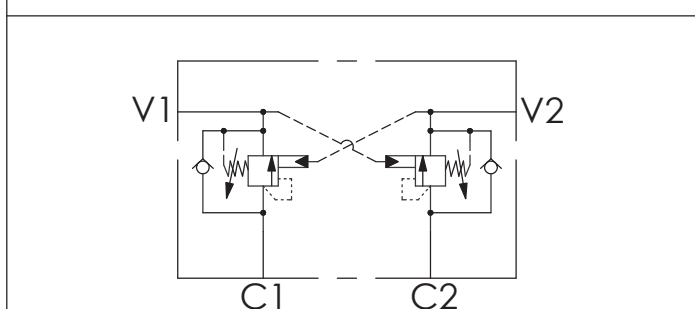
* If you need the special specification.
Please contact us.

Z	PORT SIZE		
	PORTS V1,V2	PORTS C1,C2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
S10	SAE 10	SAE 10	
S12	SAE 12	SAE 12	

X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

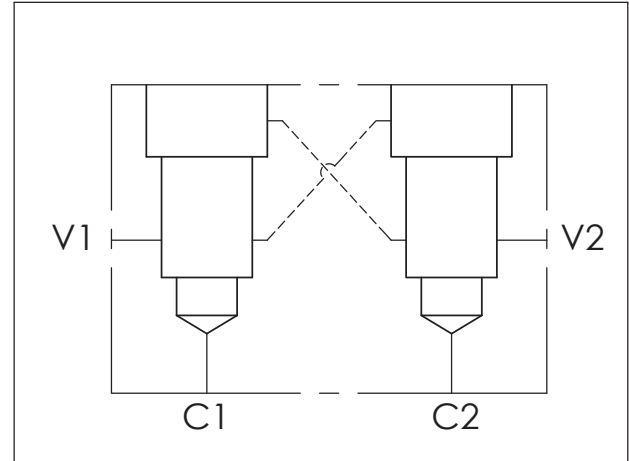
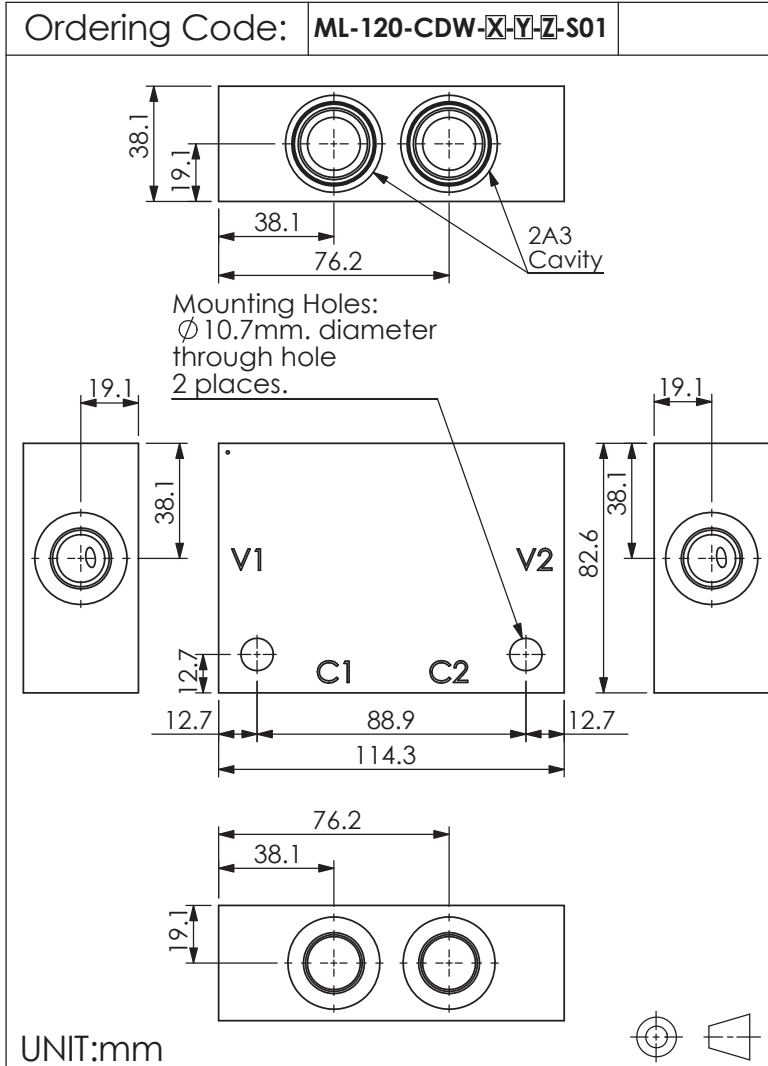
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-120-CDW-CB3H-CB3H-A01**

Ordering Code: **ML-120-CDW-CO20-CO20-A01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	2.21 kg(WITHOUT VALVES)

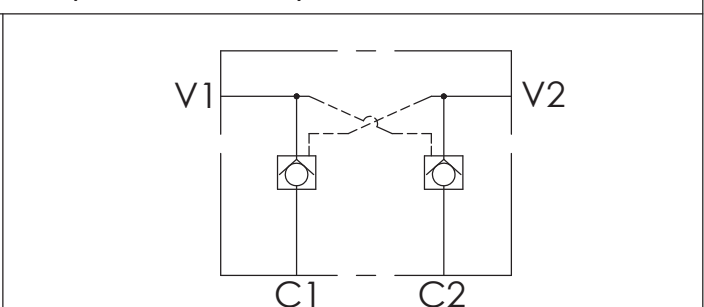
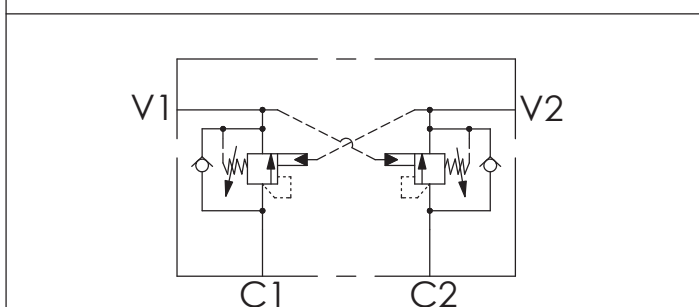
* If you need the special specification.
Please contact us.

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G03	G 3/8"	G 3/8"
G04	G 1/2"	G 1/2"
S10	SAE 10	SAE 10
S12	SAE 12	SAE 12

X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

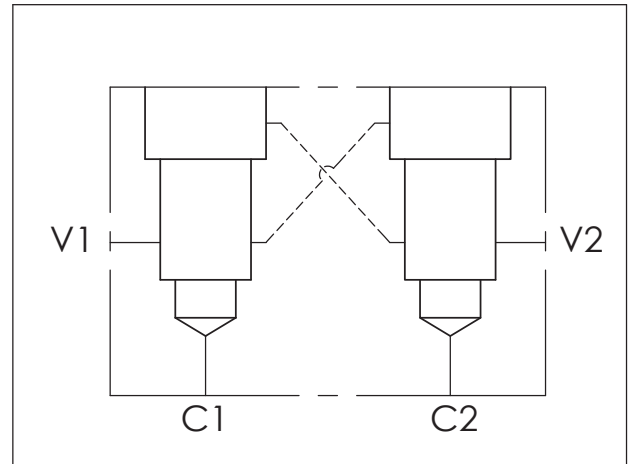
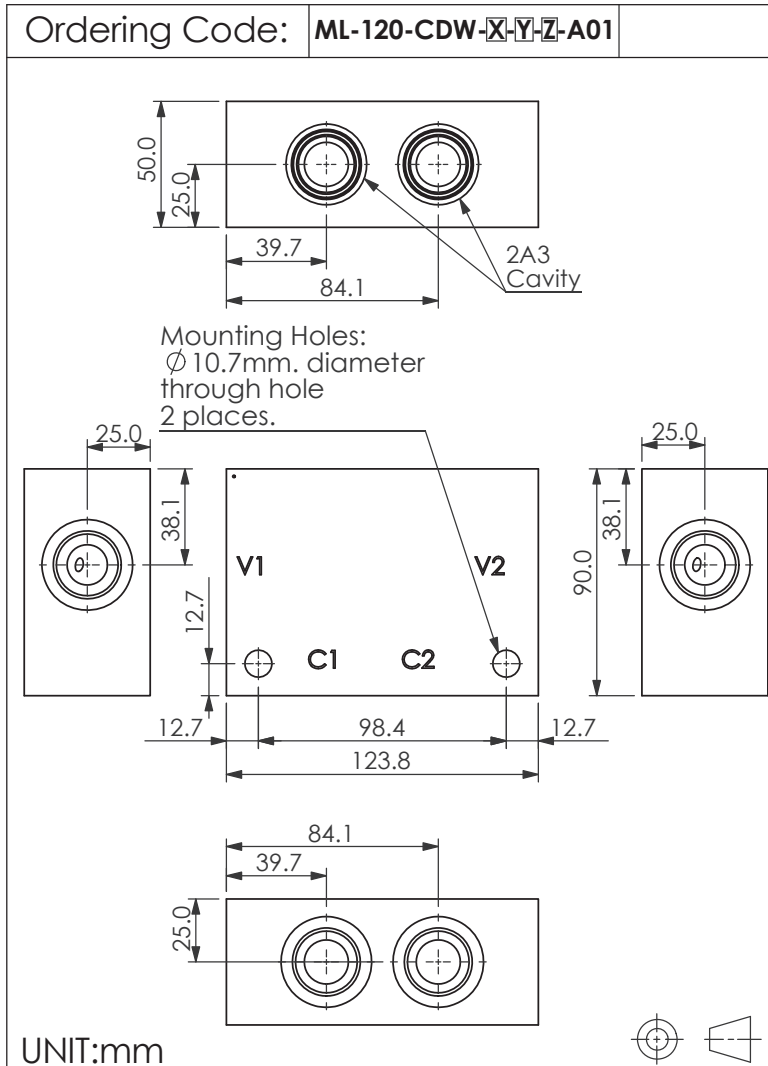
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: ML-120-CDW-CB3H-CB3H-S01

Ordering Code: ML-120-CDW-CO20-CO20-S01

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3
* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.21 kg(WITHOUT VALVES)

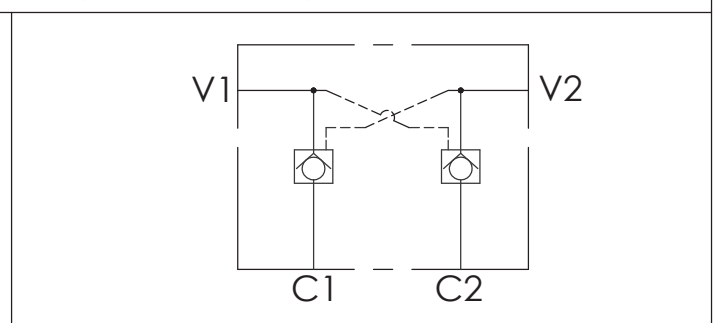
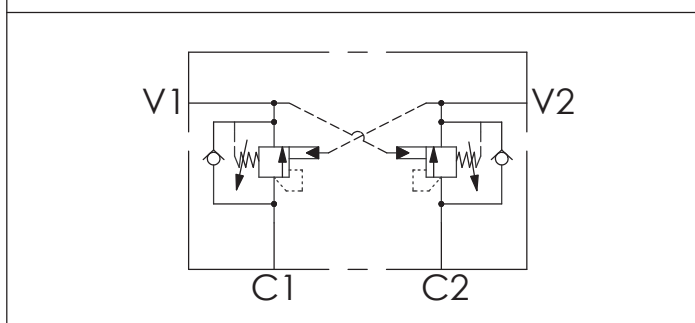
* If you need the special specification.
Please contact us.

Y	SELECTION FOR V2 PORT CONTROL
2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CO20	CO2A3020N (2.0bar)
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)	

X	SELECTION FOR V1 PORT CONTROL
2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CO20	CO2A3020N (2.0bar)

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G06	G 3/4"	G 3/4"

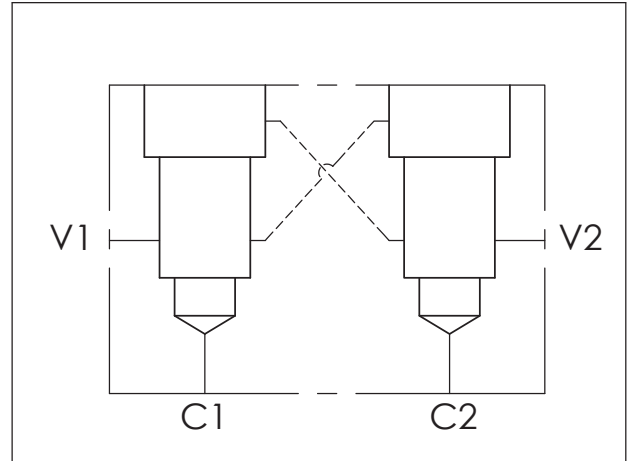
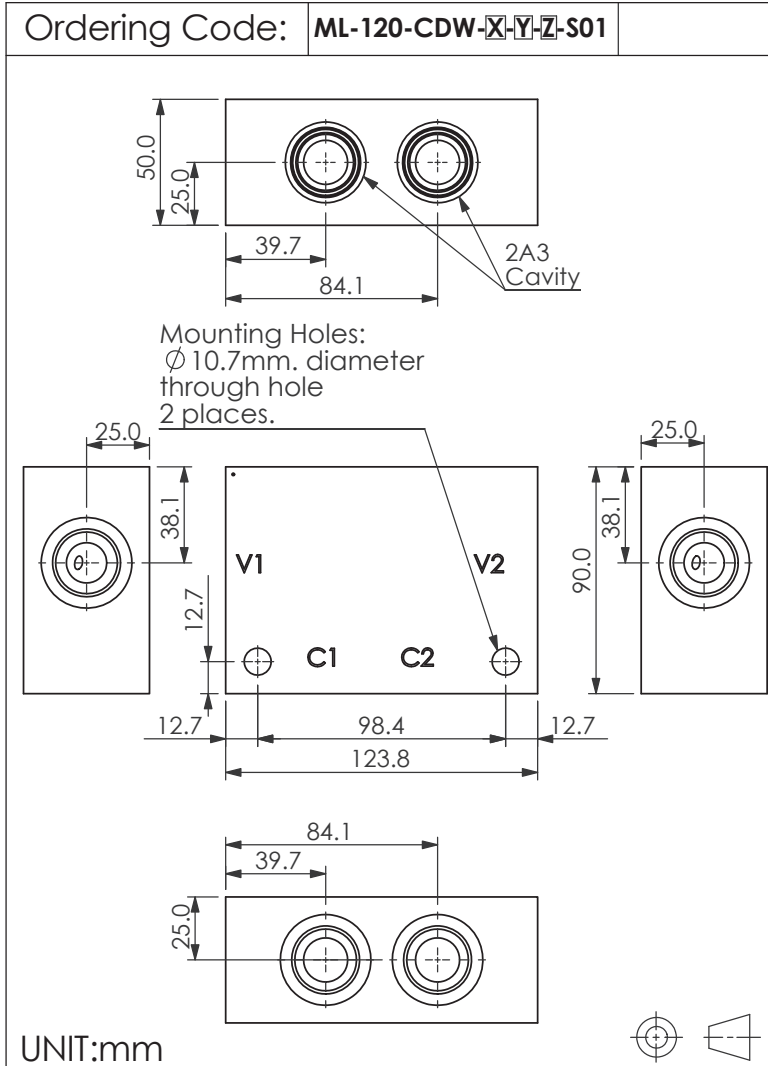
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-120-CDW-CB3H-CB3H-A01**

Ordering Code: **ML-120-CDW-CO20-CO20-A01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron
 Body Pressure Rating: 350 bar

Cavity:
 Refer to 2A3
 * Refer to Winner Cartridge Valves Catalog.

Ductile Iron	3.32 kg(WITHOUT VALVES)

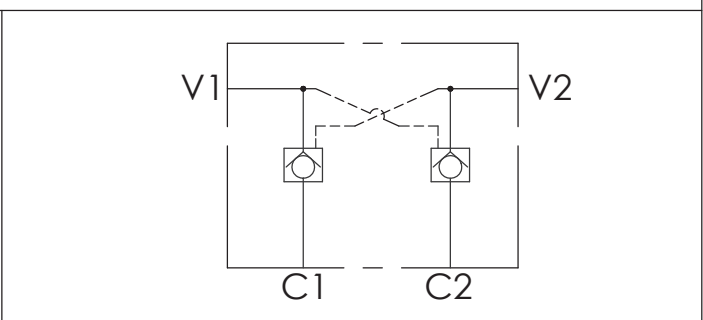
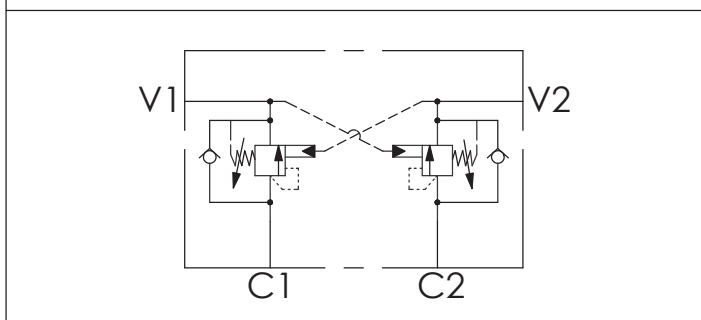
* If you need the special specification.
 Please contact us.

Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)		

X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G06	G 3/4"	G 3/4"

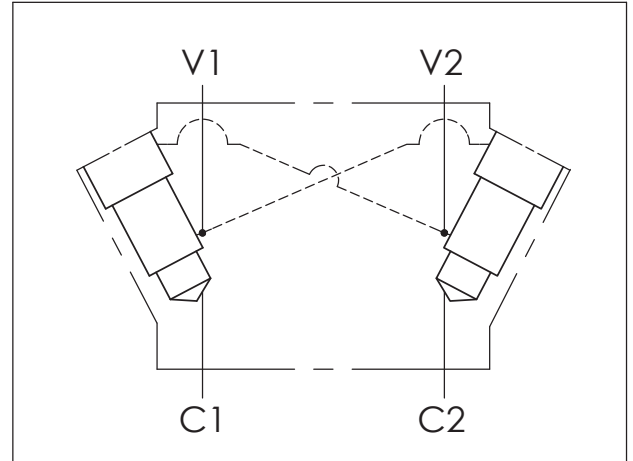
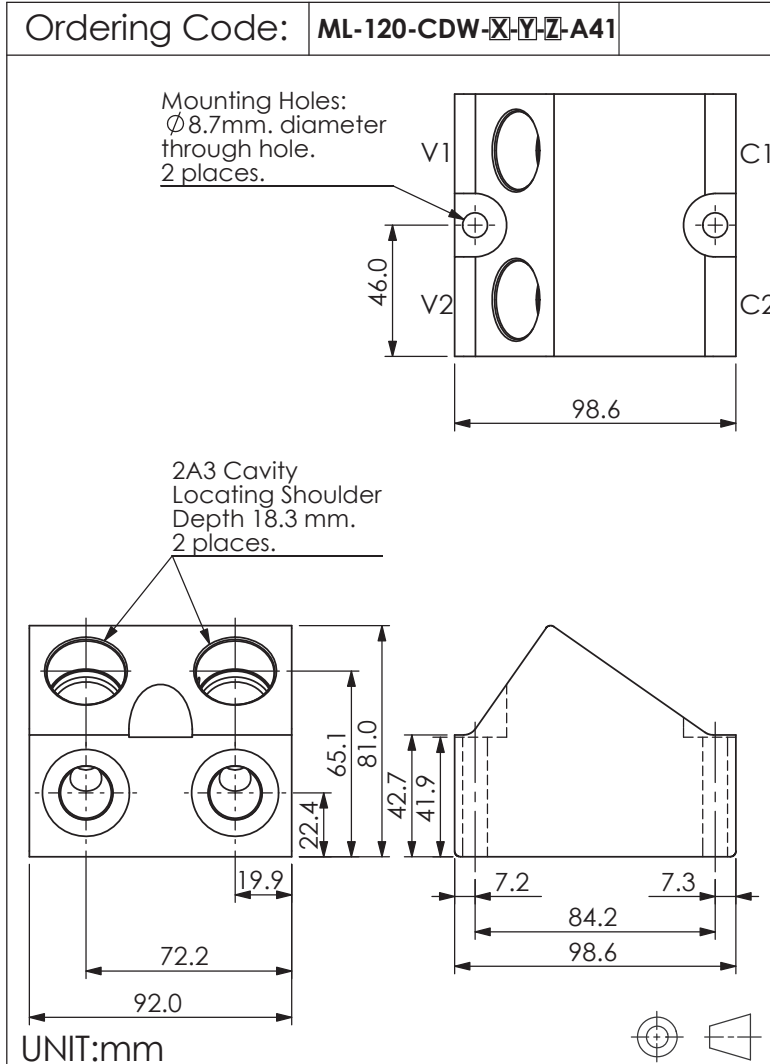
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-120-CDW-CB3H-CB3H-S01**

Ordering Code: **ML-120-CDW-CO20-CO20-S01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.18 kg(WITHOUT VALVES)

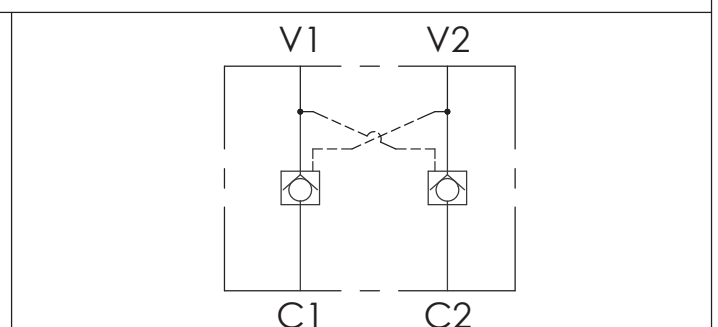
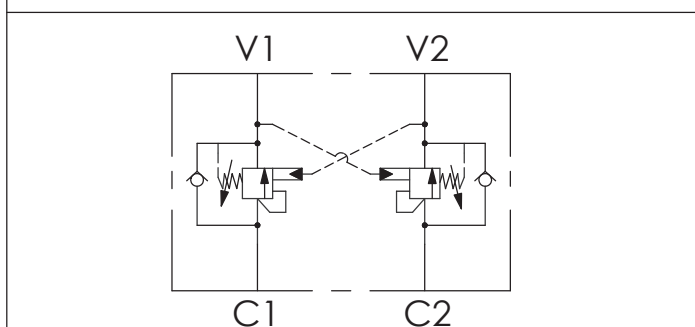
* If you need the special specification.
Please contact us.

Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)		

X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

Z	PORT SIZE		
	PORTS V1,V2	PORTS C1,C2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	

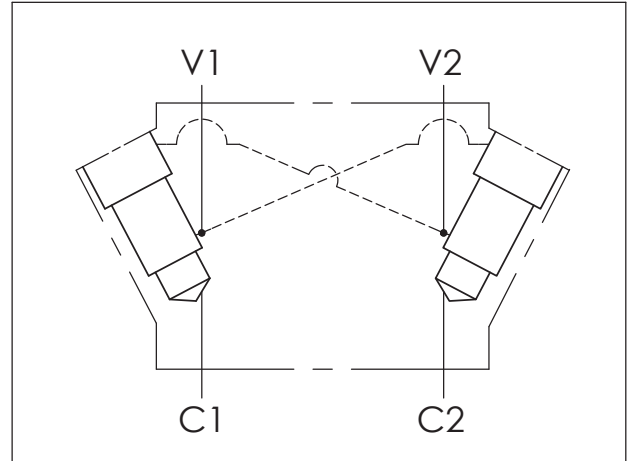
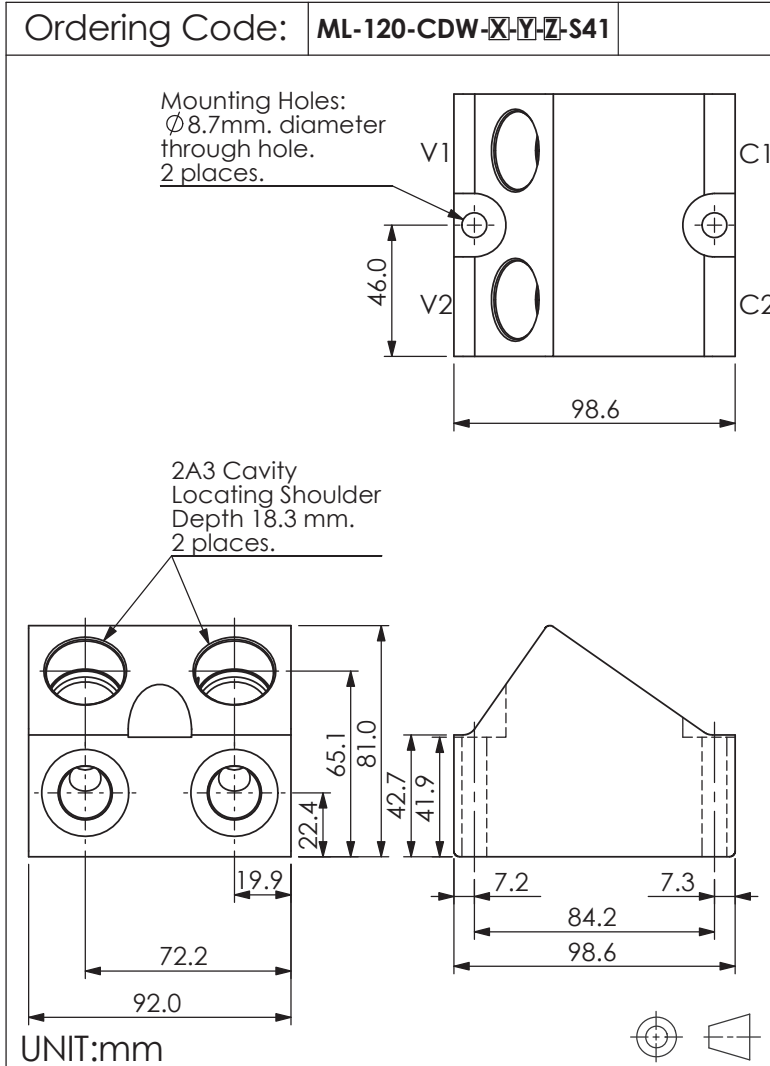
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-120-CDW-CB3H-CB3H-A41**

Ordering Code: **ML-120-CDW-CO20-CO20-A41**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	3.45 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

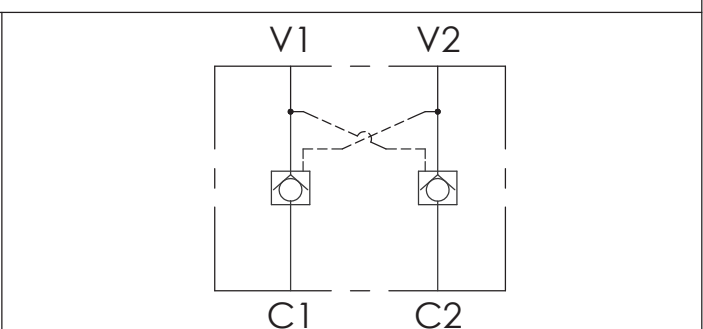
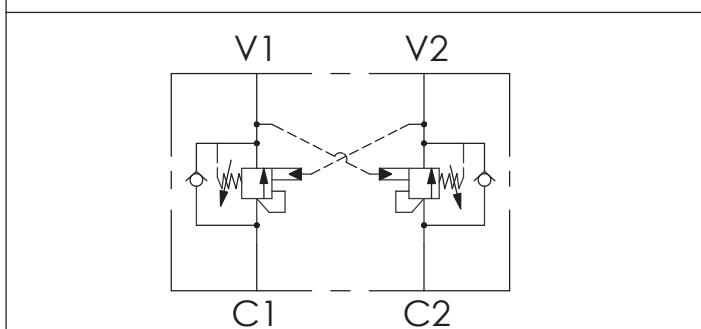
Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

Z	PORT SIZE		
	PORTS V1,V2	PORTS C1,C2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	

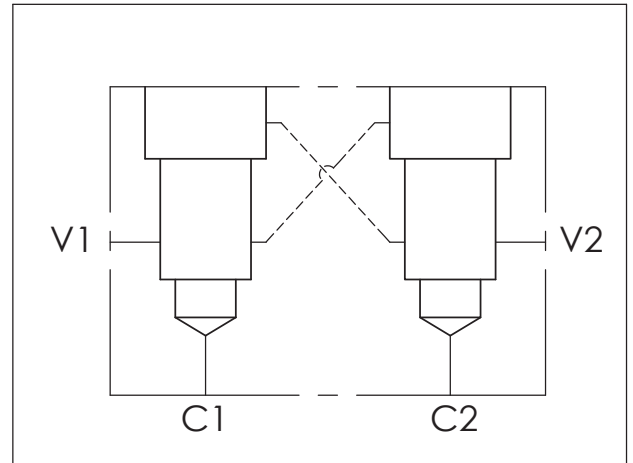
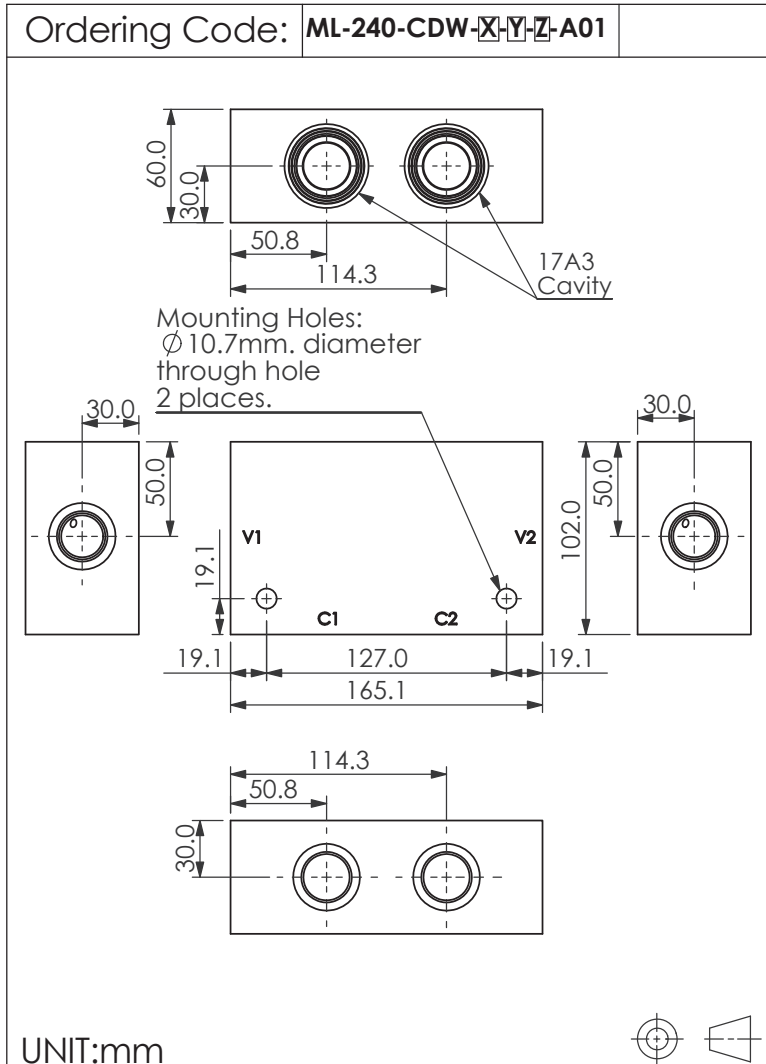
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-120-CDW-CB3H-CB3H-S41**

Ordering Code: **ML-120-CDW-CO20-CO20-S41**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron
Body Pressure Rating: 350 bar

Cavity:
Refer to 17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	2.2 kg(WITHOUT VALVES)

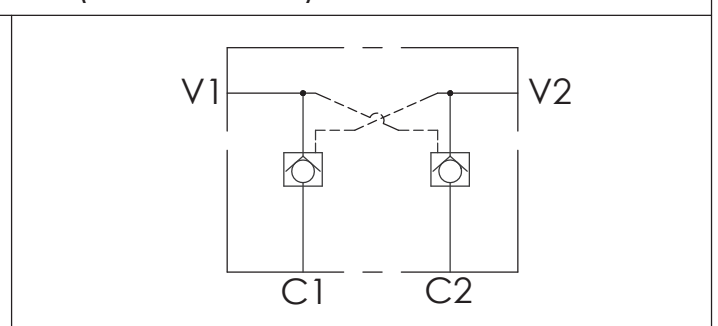
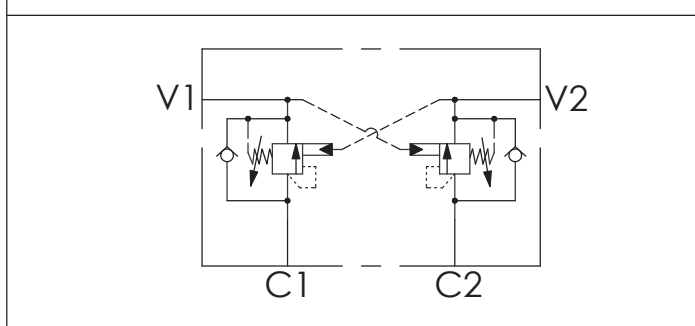
* If you need the special specification.
Please contact us.

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
G06	G 3/4"	G 3/4"
G08	G 1"	G 1"
G10	G1-1/4"	G1-1/4"
S16	SAE 16	SAE 16

X	SELECTION FOR V1 PORT CONTROL	
17A3	CAVITY ONLY (WITHOUT VALVE)	
CBCH	CB17A3CHL (3:1 , 280bar)	
CO20	CO17A3020N (2.0bar)	

X	SELECTION FOR V2 PORT CONTROL	
17A3	CAVITY ONLY (WITHOUT VALVE)	
CBCH	CB17A3CHL (3:1 , 280bar)	
CO20	CO17A3020N (2.0bar)	

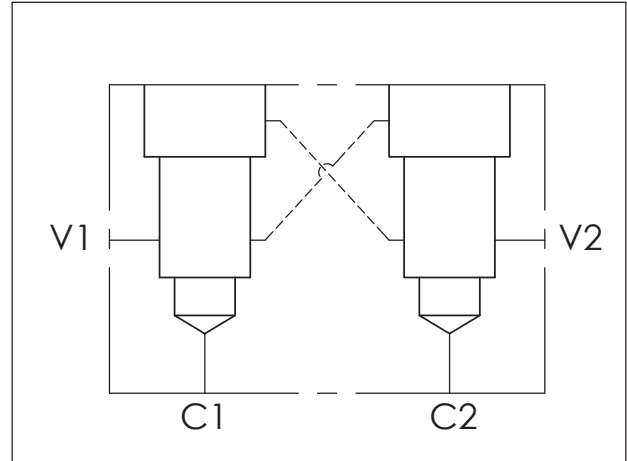
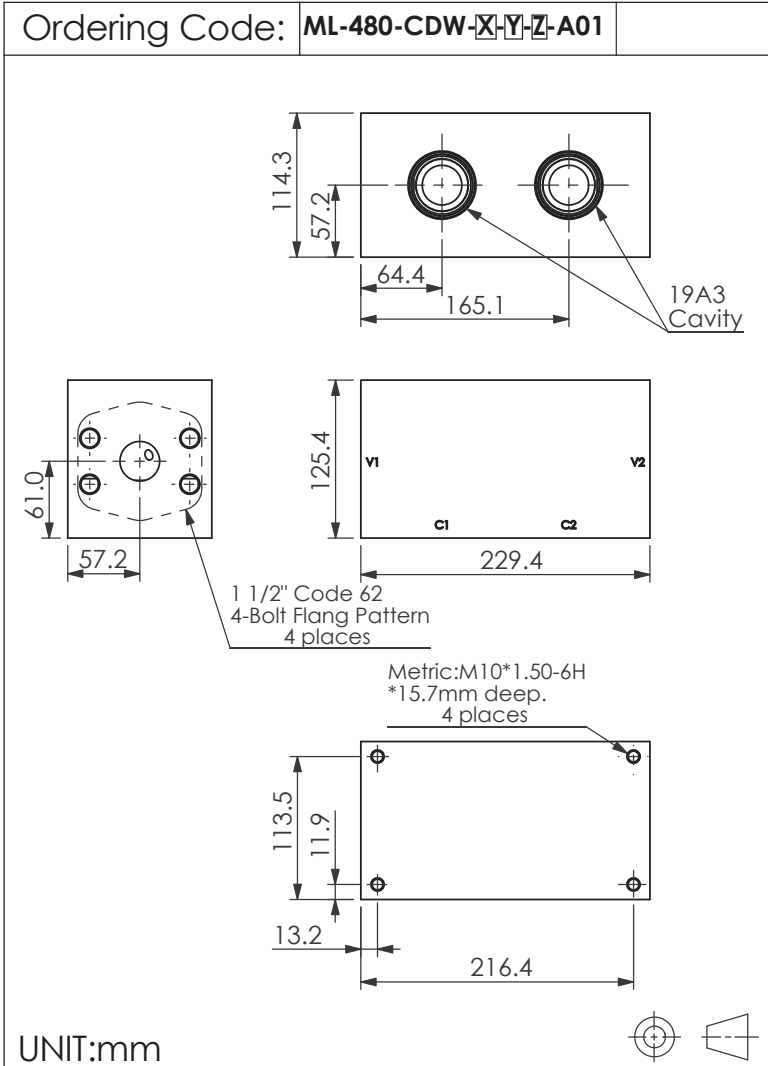
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-240-CDW-CBCH-CBCH-A01**

Ordering Code: **ML-240-CDW-CO20-CO20-A01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 19A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	7.29 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

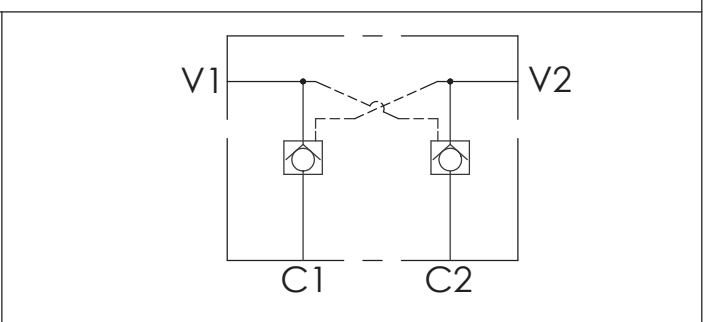
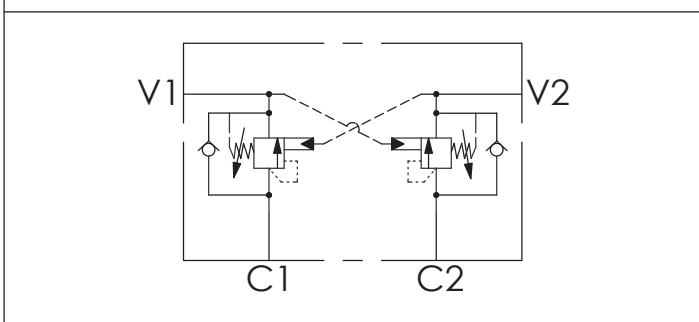
Y	SELECTION FOR V2 PORT CONTROL
19A3	CAVITY ONLY(WITHOUT VALVE)
CBCH	CB19A3CHL (3:1 , 280bar)
CO20	CO19A3020N (2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

X	SELECTION FOR V1 PORT CONTROL
19A3	CAVITY ONLY(WITHOUT VALVE)
CBCH	CB19A3CHL (3:1 , 280bar)
CO20	CO19A3020N (2.0bar)

Z	PORT SIZE	
	PORTS V1,V2	PORTS C1,C2
F60	1 1/2" Code 62 4-Bolt Flang Pattern	1 1/2" Code 62 4-Bolt Flang Pattern

HYDRAULIC CIRCUITS(WITH VALVES)

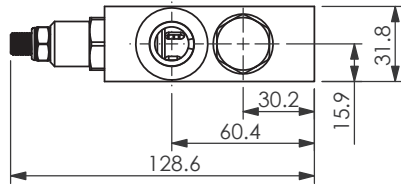


Ordering Code: **ML-480-CDW-CBCH-CBCH-A01**

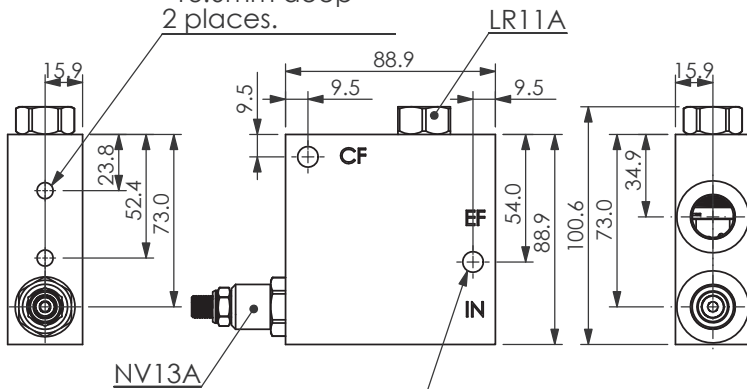
Ordering Code: **ML-480-CDW-CO20-CO20-A01**

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-60-FRW-X-Y-Z-A01**

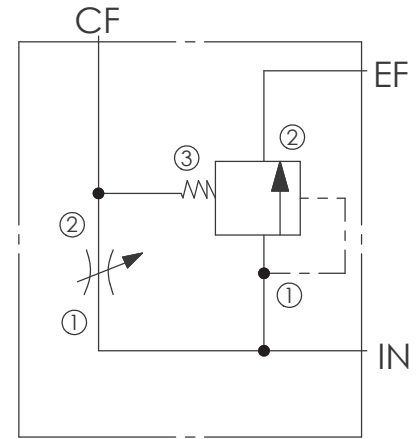
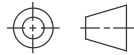


Metric: M8*1.25-6H
*13.0mm deep
2 places.



Mounting Holes:
Ø8.7mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar
Rated flow: 60 LPM

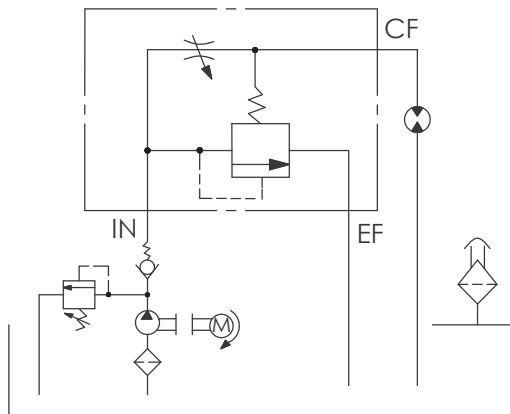
Cavity:
Refer to 13A2
11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.88 kg(INCLUDE VALVES)
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* If you need the special specification.
Please contact us.

TYPICAL CIRCUIT:
(WITHOUT RELIEF FUNCTION)



X NEEDLE VALVES

13A2	WITHOUT VALVE	
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NV84	NV13A2884L	
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The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Z PORT SIZE

Z	PORTS	PORT	
	IN,EF	CF	
G04	G 1/2"	G 1/2"	

Y BYPASS COMPENSATOR

11A3	WITHOUT VALVE	
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LR140	LR11A30140N(60LPM, ΔP= 14bar)	
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The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

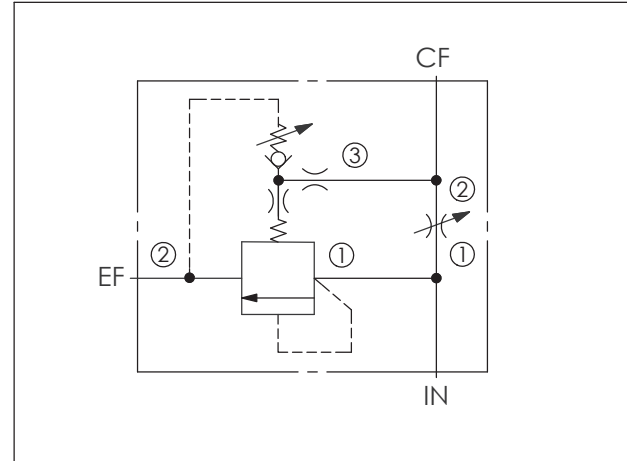
STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-60-FRW-X-Y-Z-A01**

Metric: M8*1.25-6H
*13.0mm deep
2 places.

Mounting Holes:
Ø8.7mm. diameter
through hole
2 places.

UNIT:mm

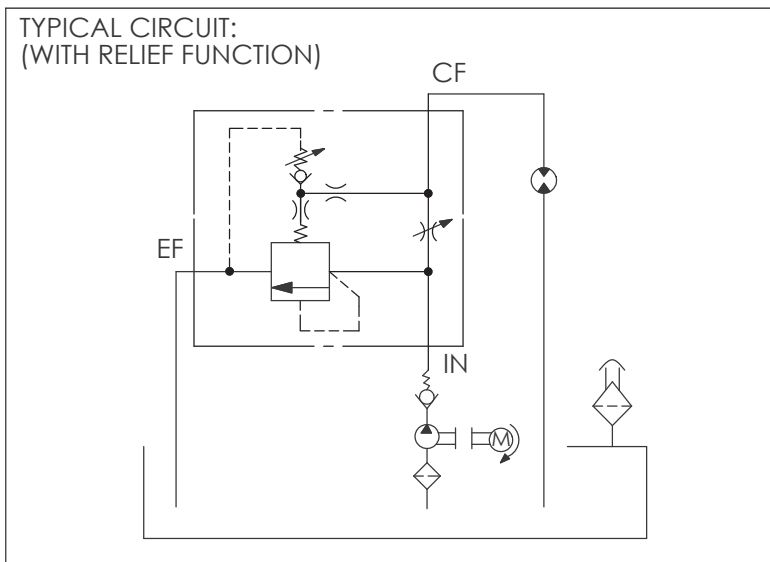


TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar
Rated flow: 60 LPM
Cavity:
Refer to 13A2
11A3
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.88 kg(INCLUDE VALVES)
----------	-------------------------

* If you need the special specification.
Please contact us.



Y	BYPASS COMPENSATOR
11A3	WITHOUT VALVE
RV0A	RV11A3BAL(40LPM, ΔP=7bar)

X	NEEDLE VALVES	
13A2	WITHOUT VALVE	
NV84	NV13A2884L	

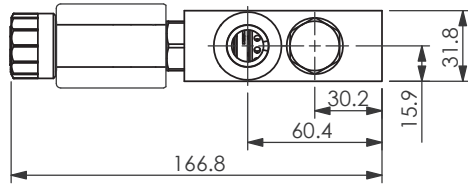
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Z	PORT SIZE	
	PORTS	PORT
	IN,EF	CF
G04	G 1/2"	G 1/2"

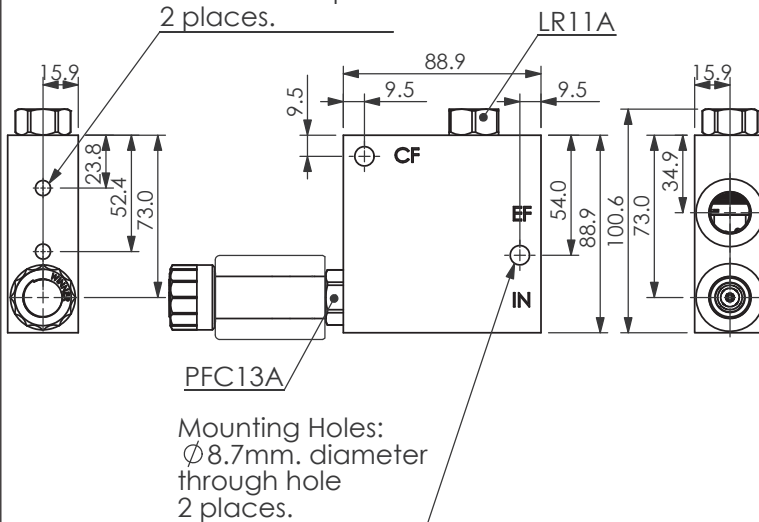
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-60-FRW-X-Y-Z-A01**

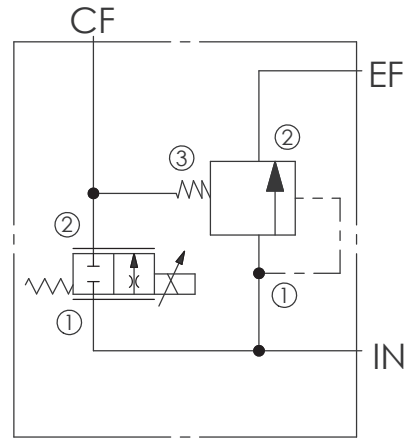
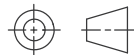


Metric: M8*1.25-6H
*13.0mm deep
2 places.



Mounting Holes:
Ø8.7mm. diameter
through hole
2 places.

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar
Rated flow: 40 LPM

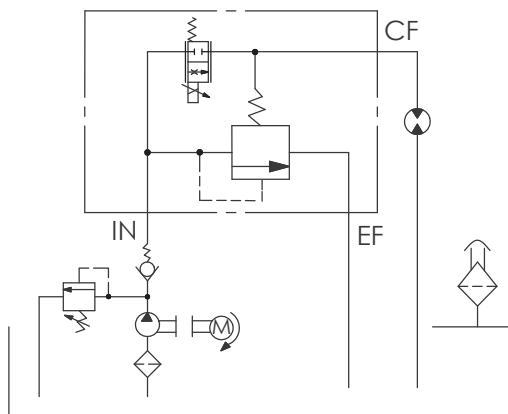
Cavity:
Refer to 13A2
11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(INCLUDE VALVES)
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* If you need the special specification.
Please contact us.

TYPICAL CIRCUIT:
(WITHOUT RELIEF FUNCTION)



X SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)

13A2	CAVITY ONLY(WITHOUT VALVE)
PFC06	PFC13A2D0060N(0.4~6LPM)
PFC14	PFC13A2D0140N(0.6~14LPM)
PFC28	PFC13A2D0280N(0.8~28LPM)
PFC40	PFC13A2D0400N(1.0~40LPM)

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-19A-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Y BYPASS COMPENSATOR

11A3	WITHOUT VALVE
LR140	LR11A30140N(60LPM, ΔP=14bar)

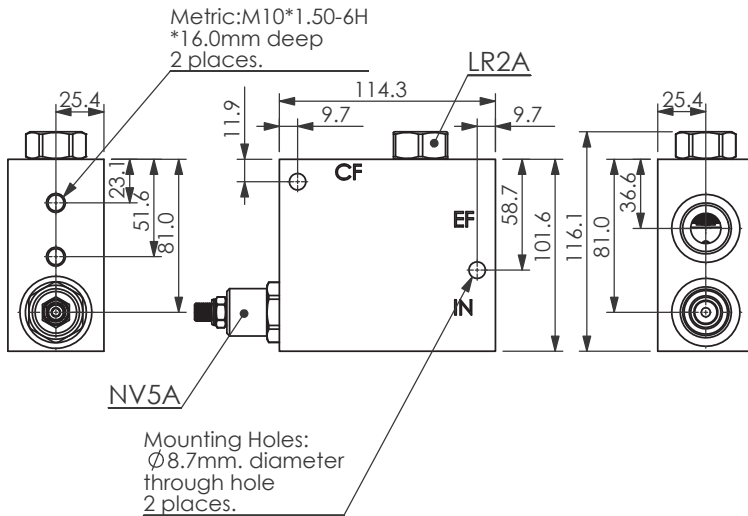
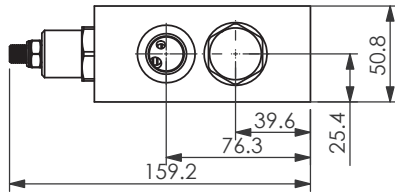
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

Z PORT SIZE

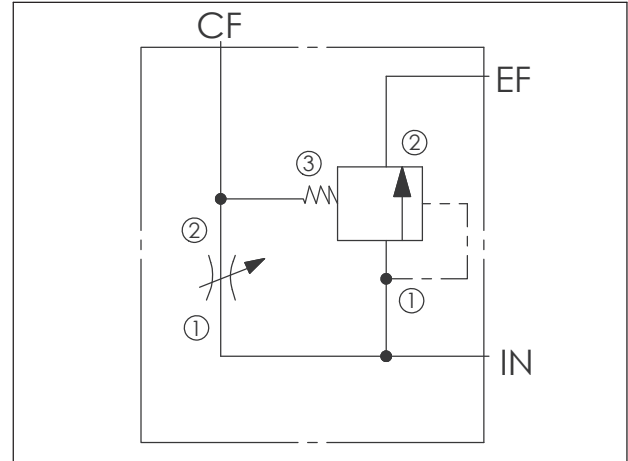
Z	PORTS	PORT
	IN,EF	CF
G04	G 1/2"	G 1/2"

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-120-FRW-X-Y-Z-A01**



UNIT:mm



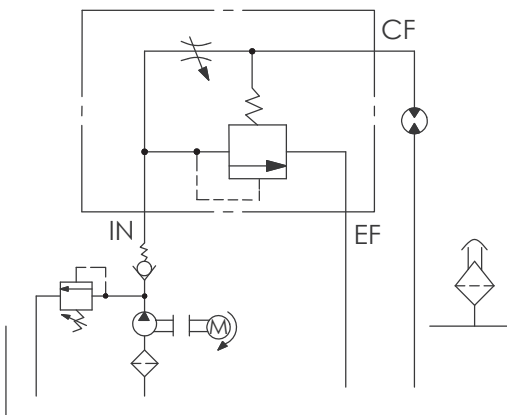
TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 120 LPM
 Cavity:
 Refer to 5A2
 2A3
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	1.8 kg(INCLUDE VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:
(WITHOUT RELIEF FUNCTION)



X NEEDLE VALVES

5A2	WITHOUT VALVE	
NV127	NV5A28127L	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Z PORT SIZE

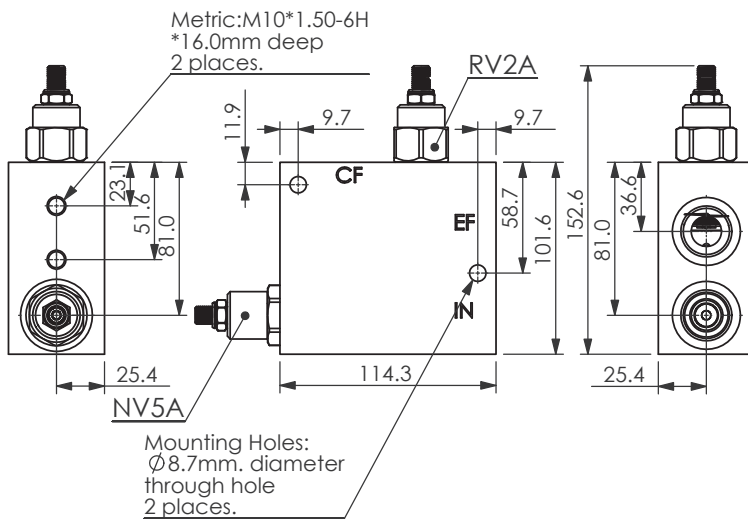
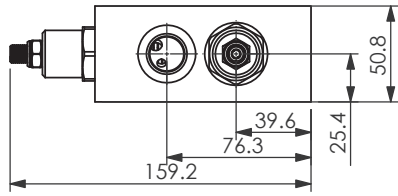
Z	PORTS	PORT	
	IN,EF	CF	
G06	G 3/4"	G 1/2"	

Y	BYPASS COMPENSATOR	
2A3	WITHOUT VALVE	
LR140	LR2A30140N(120LPM, ΔP=14bar)	

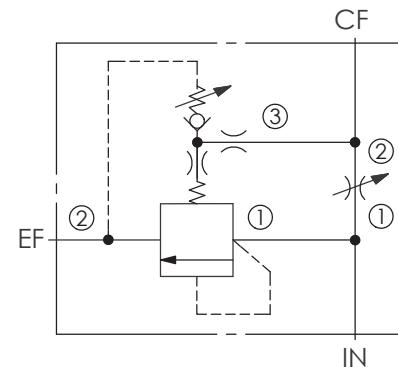
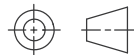
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-120-FRW-X-Y-Z-A01**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 120 LPM

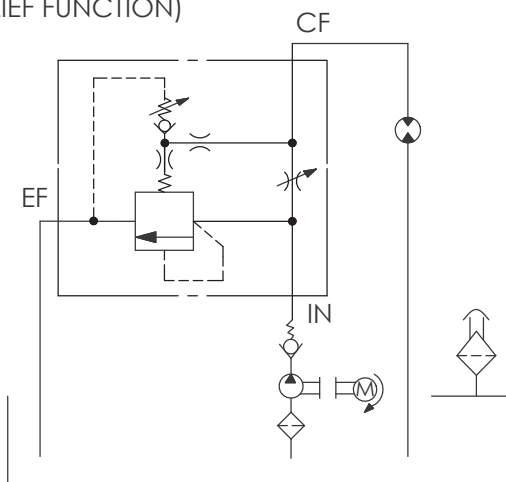
Cavity:
Refer to 5A2
2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.8 kg(INCLUDE VALVES)
----------	------------------------

* If you need the special specification.
Please contact us.

TYPICAL CIRCUIT:
(WITH RELIEF FUNCTION)



X NEEDLE VALVES

5A2	WITHOUT VALVE
------------	---------------

NV127	NV5A28127L
--------------	------------

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

PORT SIZE

Z	PORTS	PORT
	IN,EF	CF
G06	G 3/4"	G 1/2"

Y BYPASS COMPENSATOR

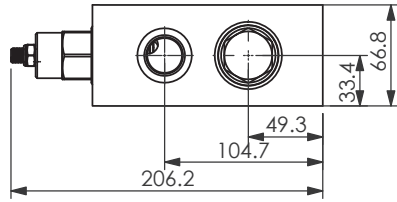
2A3	WITHOUT VALVE
------------	---------------

RV0A	RV2A3BAL(80LPM, ΔP=8bar)
-------------	--------------------------

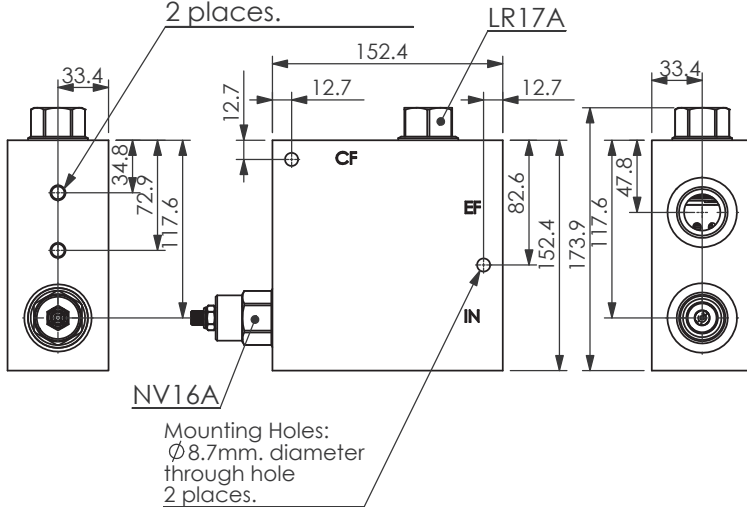
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

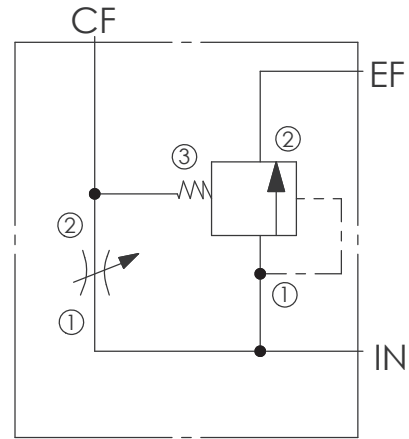
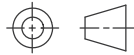
Ordering Code: **ML-240-FRW-X-Y-Z-A01**



Metric: M10*1.50-6H
*16.0mm deep
2 places.



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar
Rated flow: 240 LPM

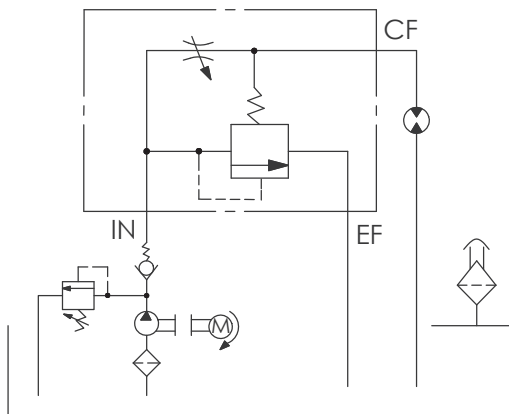
Cavity:
Refer to 16A2
17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	4.6 kg(INCLUDE VALVES)

* If you need the special specification.
Please contact us.

TYPICAL CIRCUIT:
(WITHOUT RELIEF FUNCTION)



X NEEDLE VALVES

16A2 WITHOUT VALVE

NV175 NV16A28175L

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow - pressure - ... etc.)

Z PORT SIZE

Z	PORTS	PORT	
	IN,EF	CF	
G08	G 1"	G 3/4"	

Y BYPASS COMPENSATOR

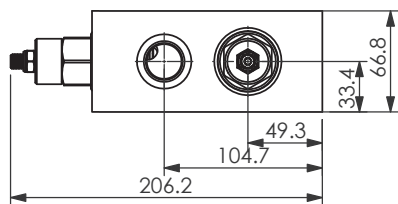
17A3 WITHOUT VALVE

LR140 LR17A30140N(240LPM, ΔP= 14bar)

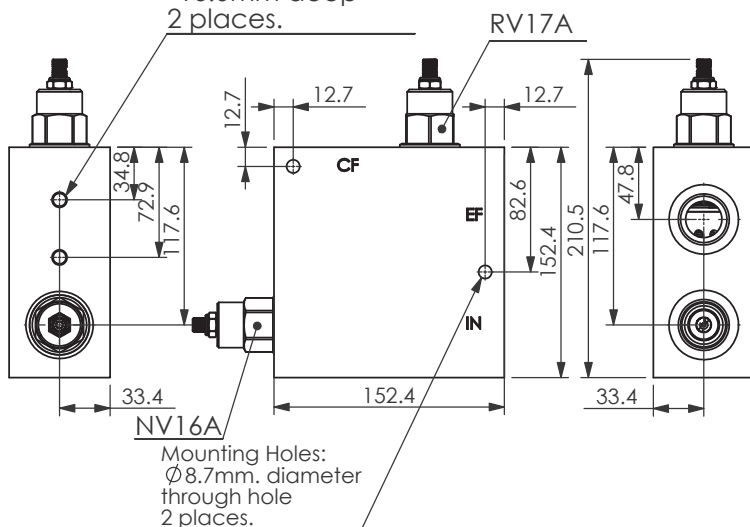
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow - pressure - ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

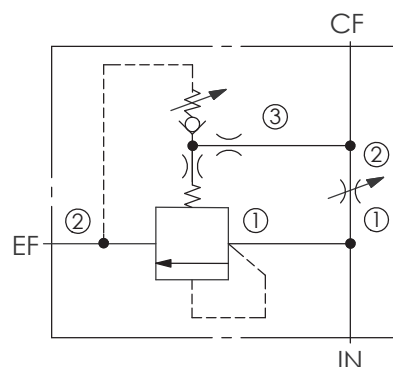
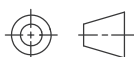
Ordering Code: **ML-240-FRW-X-Y-Z-A01**



Metric: M10*1.50-6H
*16.0mm deep
2 places.



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron
Body Pressure Rating: 350 bar

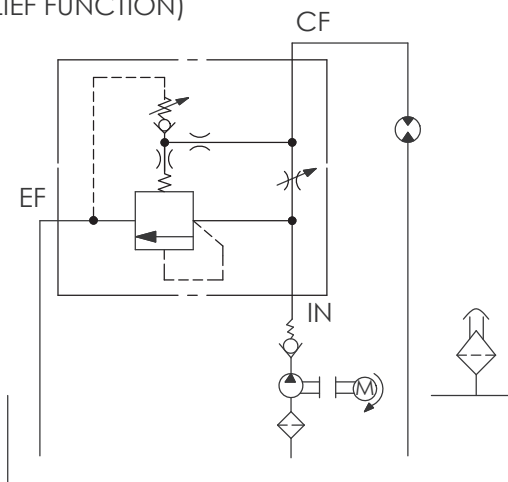
Rated flow: 240 LPM

Cavity:
Refer to 16A2
17A3
* Refer to Winner Cartridge Valves Catalog.

Aluminum	4.6 kg(INCLUDE VALVES)

* If you need the special specification.
Please contact us.

TYPICAL CIRCUIT:
(WITH RELIEF FUNCTION)



X NEEDLE VALVES

16A2 WITHOUT VALVE

NV175 NV16A28175L

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

PORT SIZE

Z	PORTS	PORT
	IN,EF	CF
G08	G 1"	G 3/4"

Y BYPASS COMPENSATOR

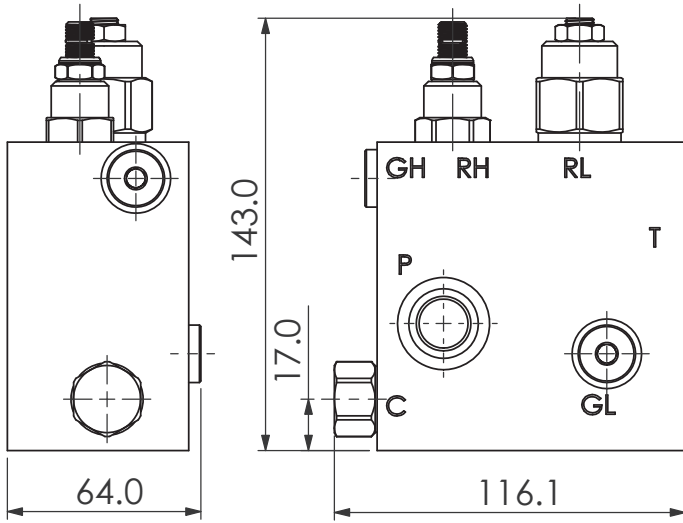
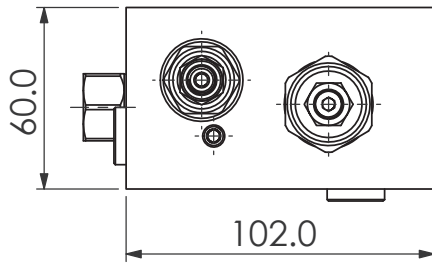
17A3 WITHOUT VALVE

RV0A RV17A3BAL(160LPM, $\Delta P=8\text{bar}$)

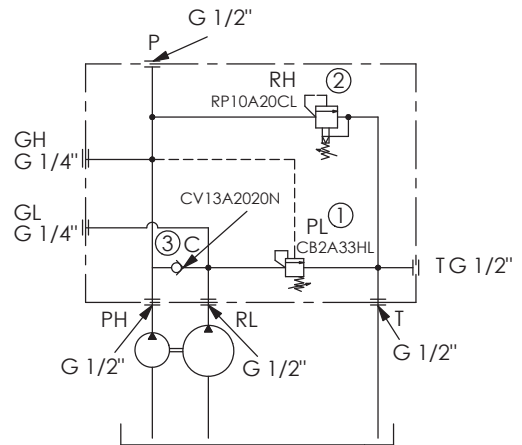
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-60-HLP-G04-X01**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:
 Refer to CB2A33HL
 CV13A2020N
 RP10A20CL
 * Refer to Winner Cartridge Valve Catalog.

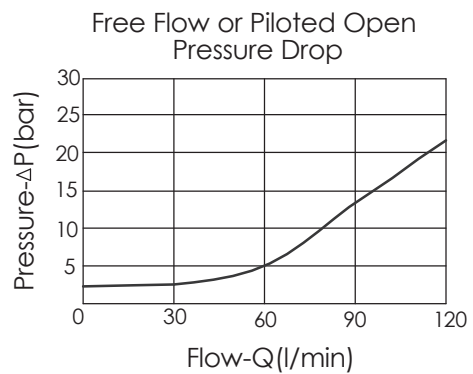
Aluminum	1.36 kg (WITHOUT VALVES) 1.9 kg (INCLUDE VALVES)
Ductile Iron	5.5 kg (WITHOUT VALVES) 6.04 kg (INCLUDE VALVES)

* If you need the special specification. Please contact us.

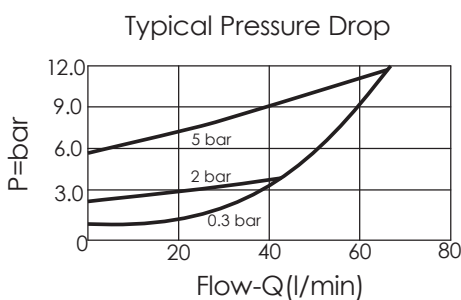
X BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

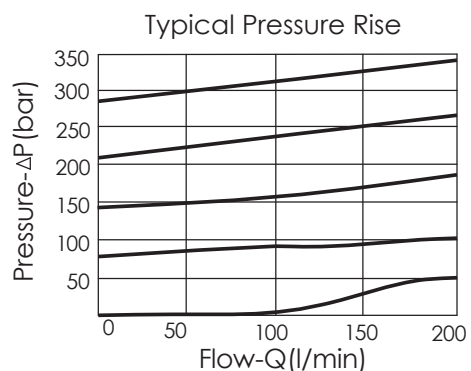
S DUCTILE IRON



COUNTERBALANCE VALVE:CB2A33HL

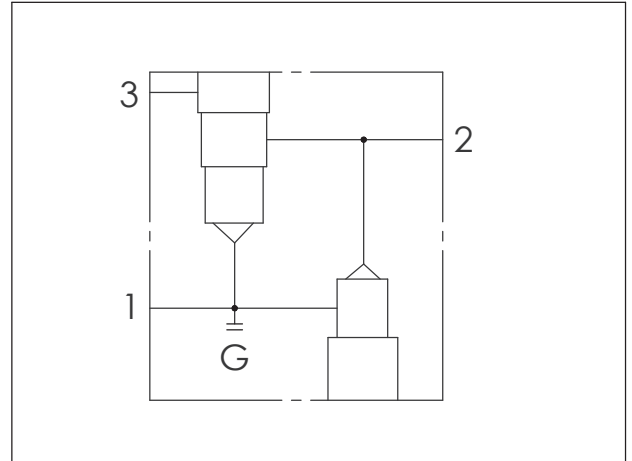
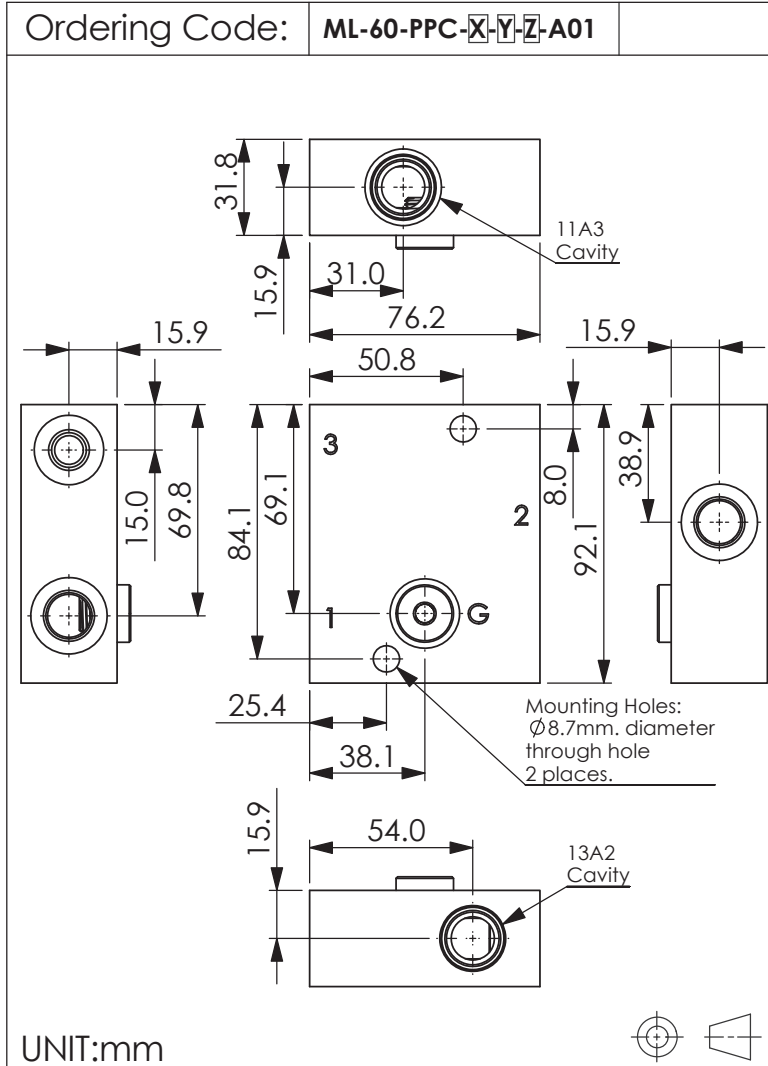


CHECK VALVE:CV13A2020N



RELIEF VALVE:RP10A20CL

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

Cavity:
 Refer to 11A3
 13A2

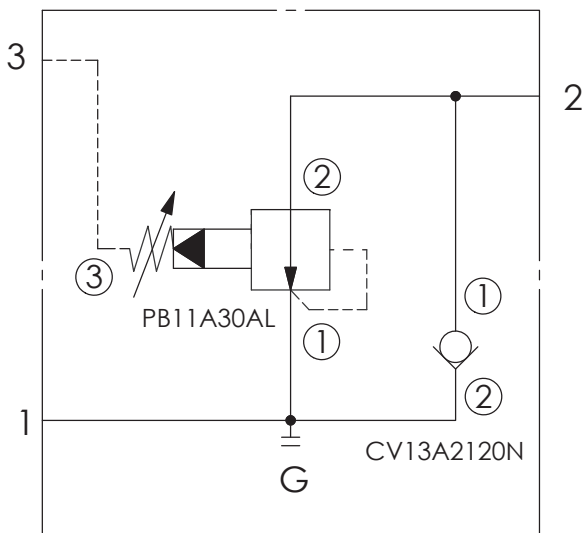
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.5 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 2 TO PORT 1
 REDUCING



X CARTRIDGE VALVES SELECTION

11A3 CAVITY ONLY(WITHOUT VALVE)

PB0A PB11A30AL (40LPM , 7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

Y SELECTION FOR SOLENOID VALVES (REFER TO CV13A-X-Y-Z)

13A2 CAVITY ONLY(WITHOUT VALVE)

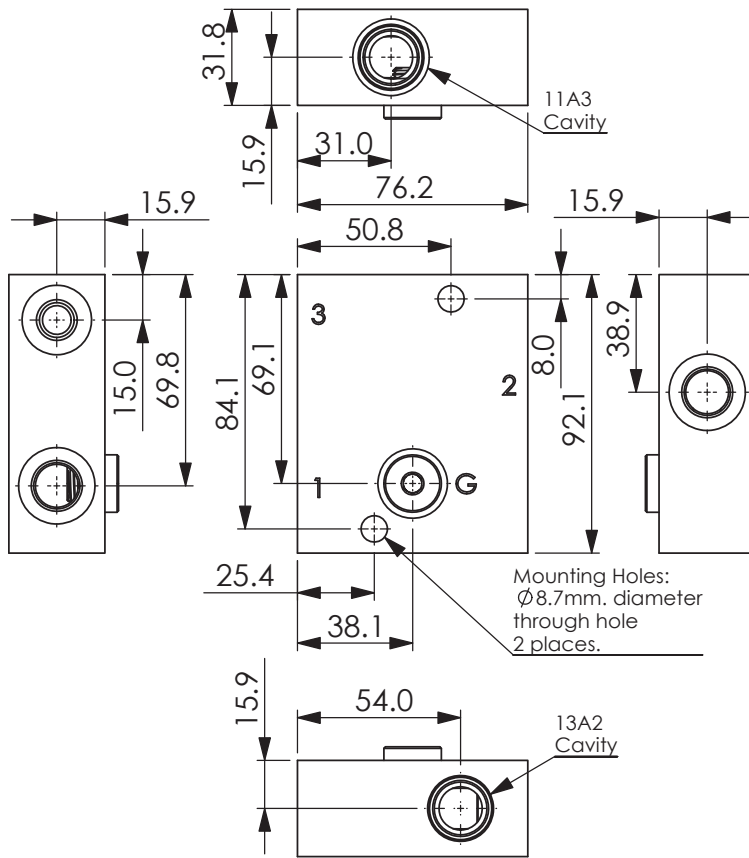
CV20 CV13A2120N(60LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

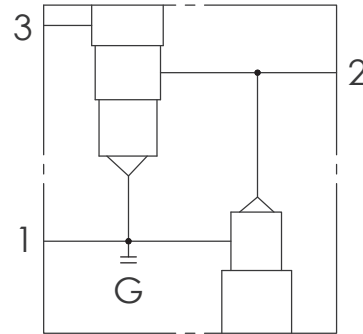
Z	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G03AG	G 3/8"	G 1/4"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-60-PPC-X-Y-Z-A01**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 11A3
13A2

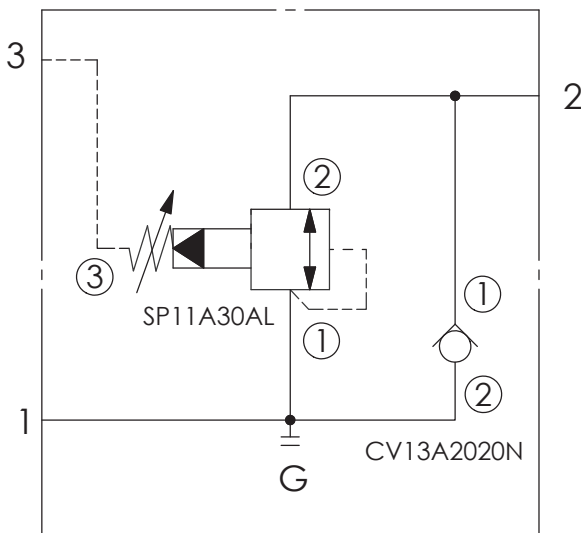
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.5 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 1 TO PORT 2 SEQUENCE



X CARTRIDGE VALVES SELECTION

11A3 CAVITY ONLY(WITHOUT VALVE)

SPOA SP11A30AL (60LPM , 7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Y SELECTION FOR SOLENOID VALVES (REFER TO CV13A-X-Y-Z)

13A2 CAVITY ONLY(WITHOUT VALVE)

CV20 CV13A2020N(80LPM,2.0bar)

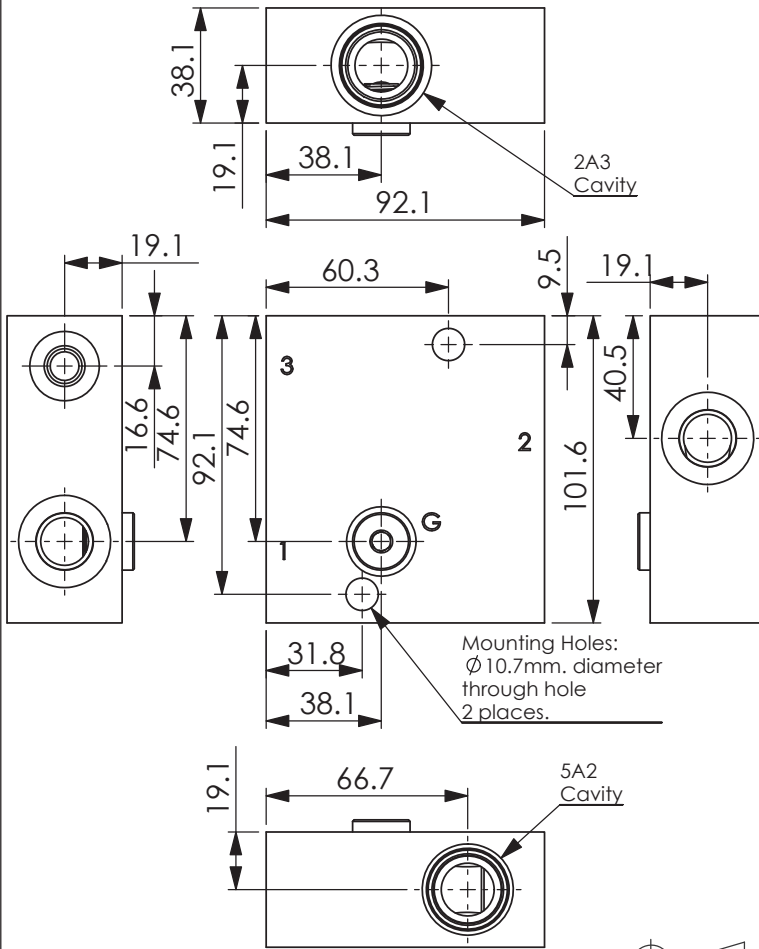
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

PORT SIZE

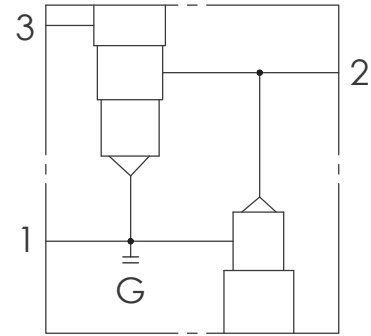
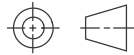
Z	PORTS		
	1,2	3	G
G03AG	G 3/8"	G 1/4"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES

Ordering Code: **ML-120-PPC-X-Y-Z-A01**



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3
5A2

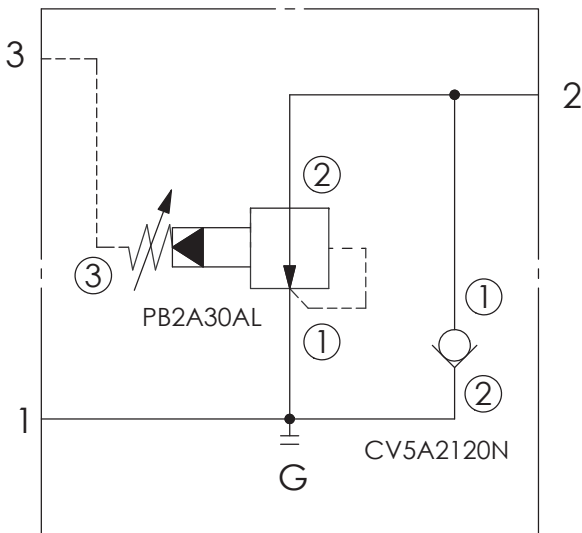
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 2 TO PORT 1
REDUCING



X CARTRIDGE VALVES SELECTION

2A3	CAVITY ONLY(WITHOUT VALVE)
PB0A	PB2A30AL (80LPM , 7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

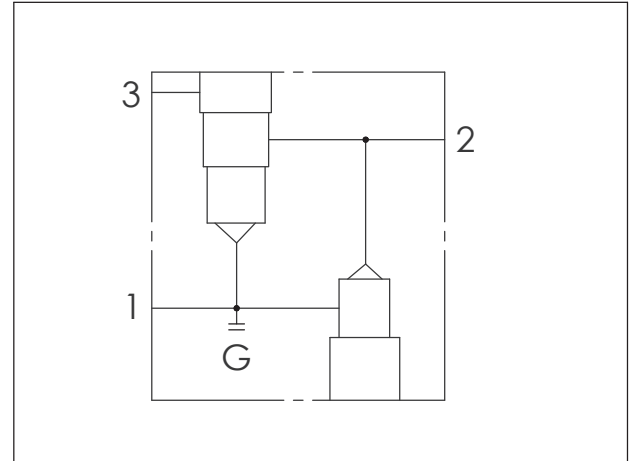
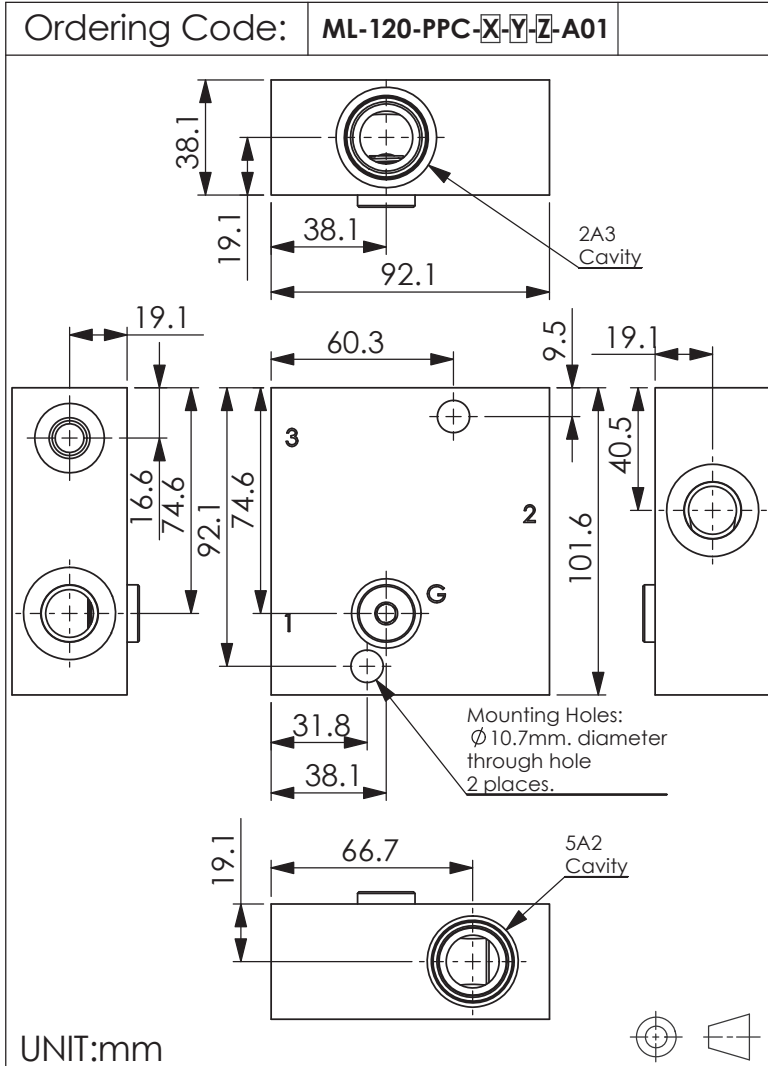
Y SELECTION FOR SOLENOID VALVES (REFER TO CV5A-X-Y-Z)

5A2	CAVITY ONLY(WITHOUT VALVE)
CV20	CV5A2120N(120LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

Z	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G04AG	G 1/2"	G 1/4"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 2A3
5A2

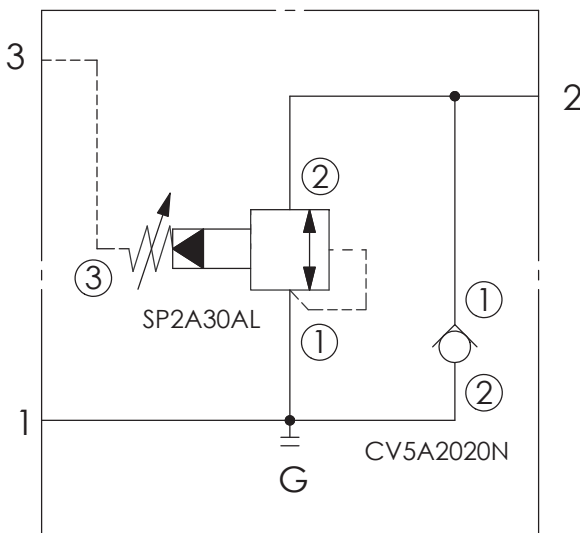
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 1 TO PORT 2 SEQUENCE



X CARTRIDGE VALVES SELECTION

2A3 CAVITY ONLY(WITHOUT VALVE)

SP0A SP2A30AL (120LPM , 7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Y SELECTION FOR SOLENOID VALVES (REFER TO CV5A-X-Y-Z)

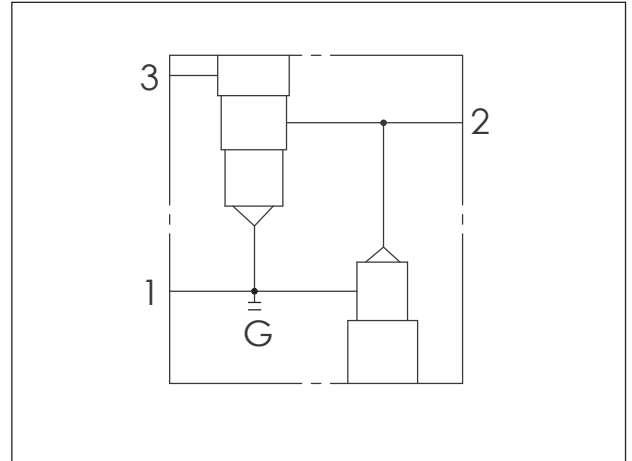
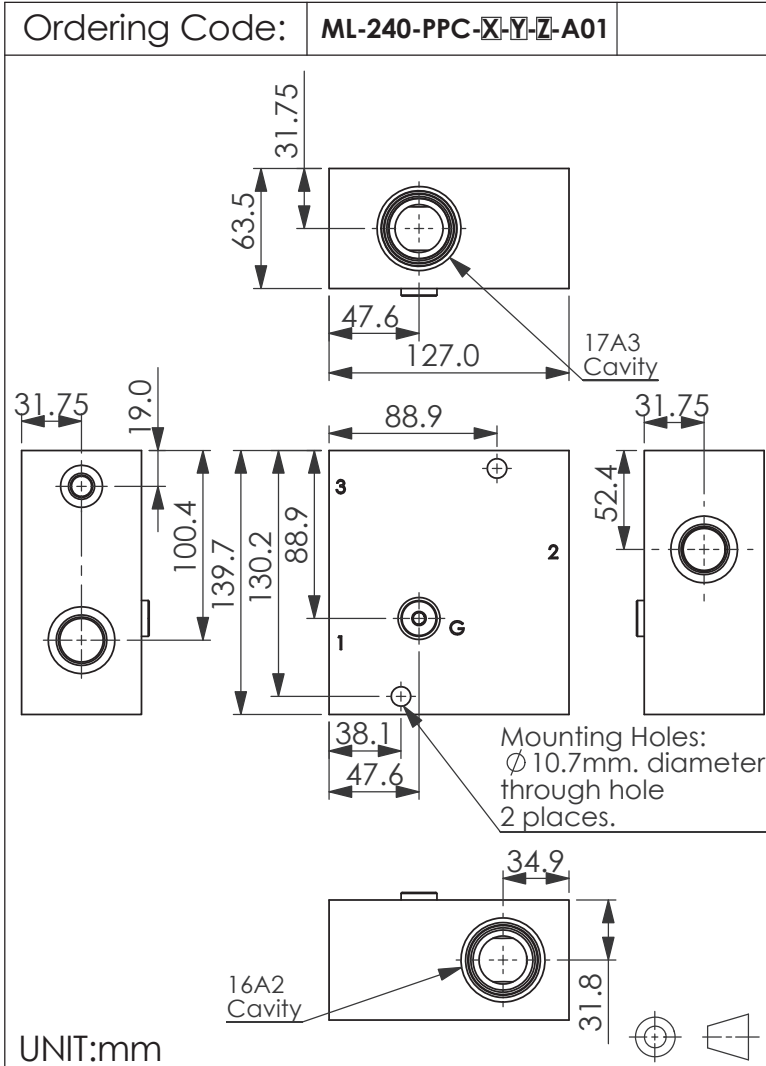
5A2 CAVITY ONLY(WITHOUT VALVE)

CV20 CV5A2020N(160LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Z	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G04AG	G 1/2"	G 1/4"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron Body Pressure Rating: 350 bar

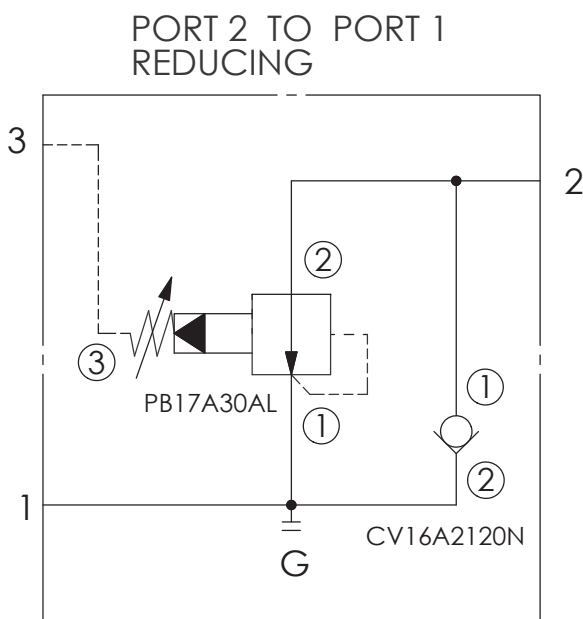
Cavity:
 Refer to 17A3
 16A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:



X CARTRIDGE VALVES SELECTION

17A3	CAVITY ONLY(WITHOUT VALVE)	
PB0A	PB17A30AL (160LPM , 7-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

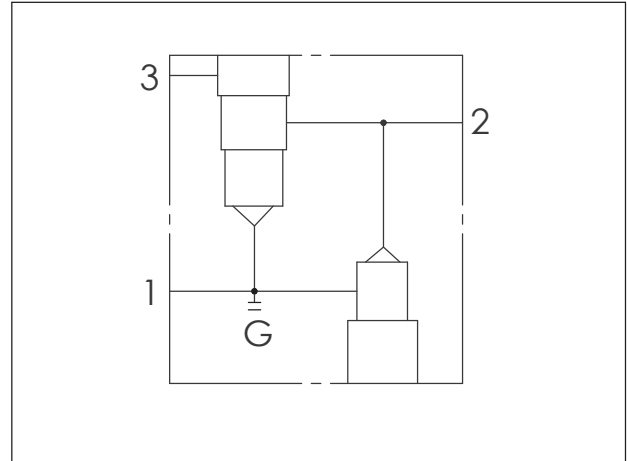
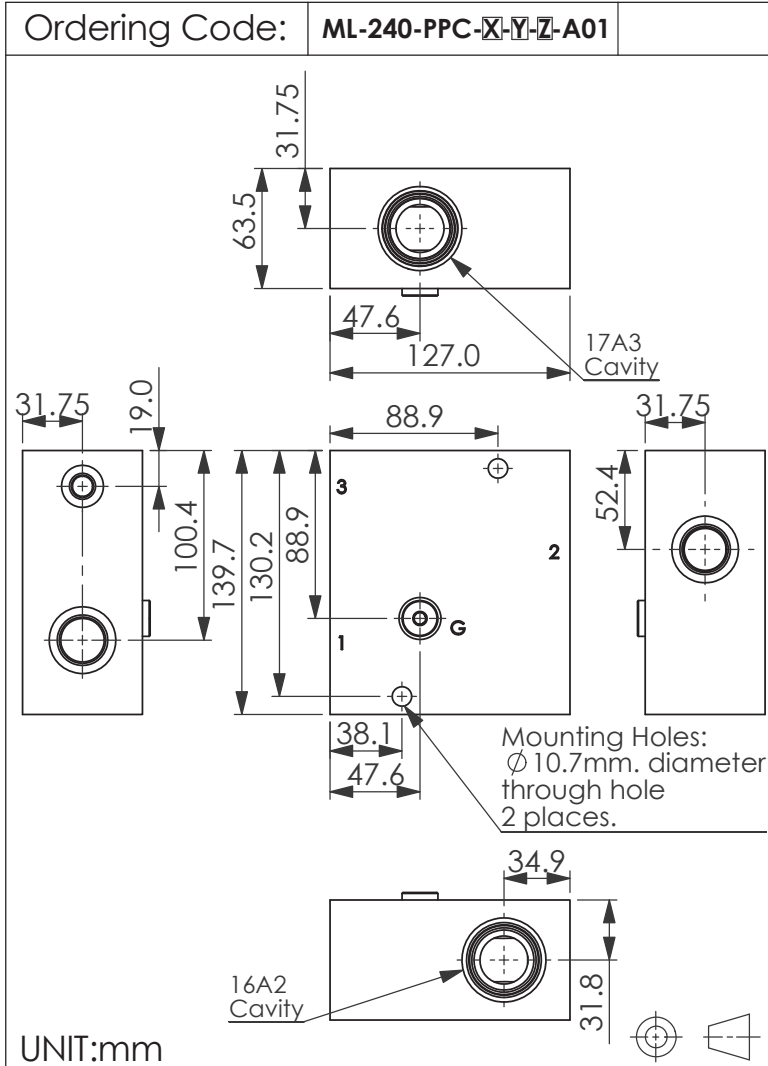
Y SELECTION FOR SOLENOID VALVES (REFER TO CV16A-X-Y-Z)

16A2	CAVITY ONLY(WITHOUT VALVE)	
CV20	CV16A2120N(240LPM,2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow , pressure , ... etc.)

Z	PORT SIZE		
	PORTS	PORT	PORT
	1,2	3	G
G06AG	G 3/4"	G 1/4"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 17A3
16A2

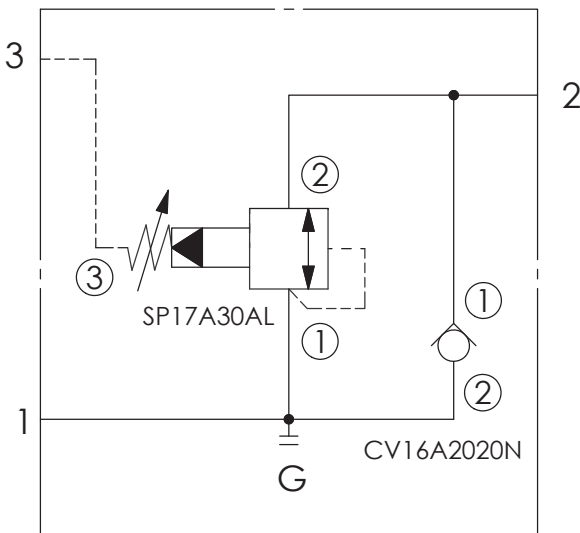
* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(WITHOUT VALVES)

* If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 1 TO PORT 2 SEQUENCE



X CARTRIDGE VALVES SELECTION

17A3 CAVITY ONLY(WITHOUT VALVE)

SPOA SP17A30AL (240LPM , 7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Y SELECTION FOR SOLENOID VALVES (REFER TO CV16A-X-Y-Z)

16A2 CAVITY ONLY(WITHOUT VALVE)

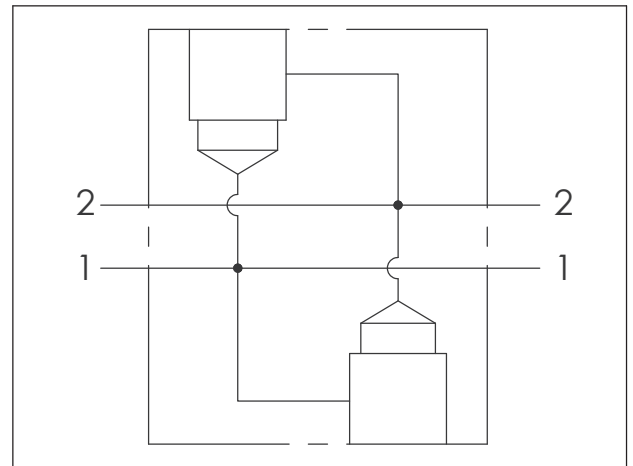
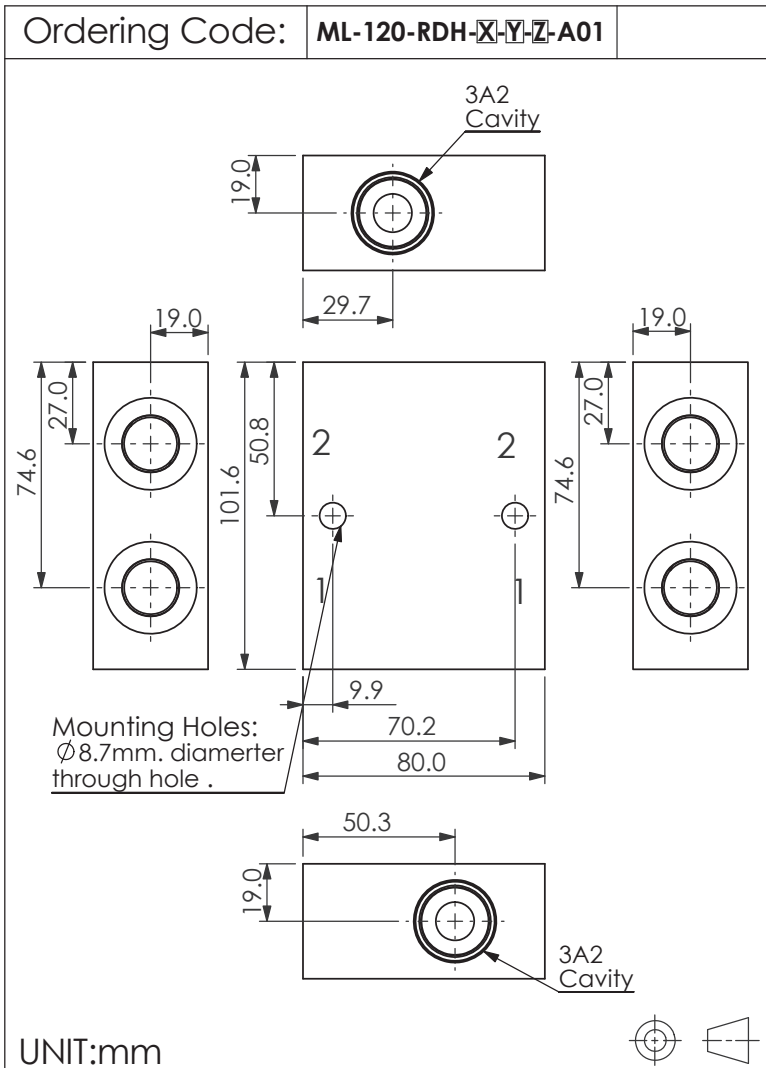
CV20 CV16A2020N(320LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

PORT SIZE

Z	PORTS		
	1,2	3	G
G06AG	G 3/4"	G 1/4"	G 1/4"

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
Ductile Iron Body Pressure Rating: 350 bar

Cavity:
Refer to 3A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.61 kg(WITHOUT VALVES)

* If you need the special specification.
Please contact us.

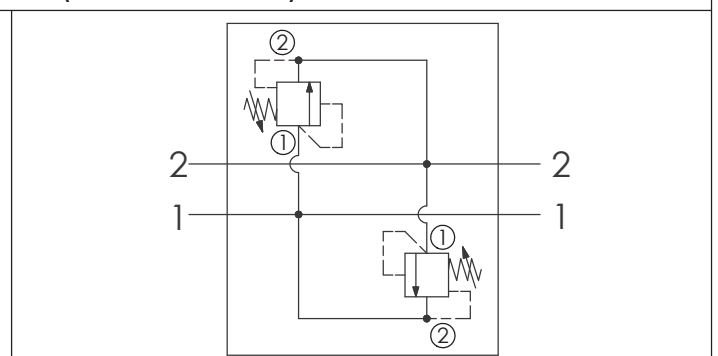
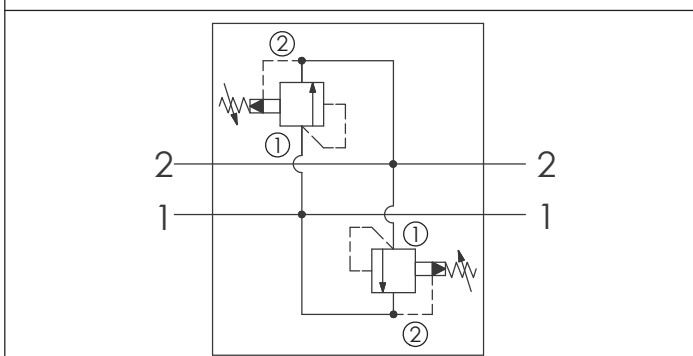
Y	SELECTION FOR V2 PORT CONTROL
3A2	CAVITY ONLY(WITHOUT VALVE)
RP0A	RP3A20AL (200LPM , 7-210bar)
RD5A	RD3A25AL (200LPM,35-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow 、 pressure 、 ... etc.)

X	SELECTION FOR V1 PORT CONTROL		
3A2	CAVITY ONLY(WITHOUT VALVE)		
RP0A	RP3A20AL (200LPM , 7-210bar)		
RD5A	RD3A25AL (200LPM,35-210bar)		

Z	PORT SIZE	
	PORT 1	PORT 2
G04	G 1/2"	G 1/2"

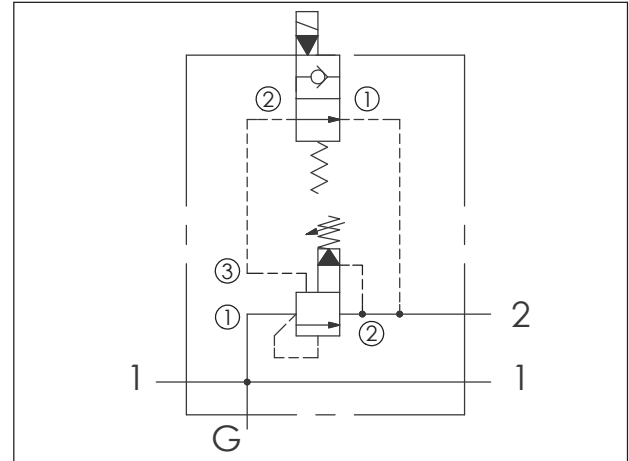
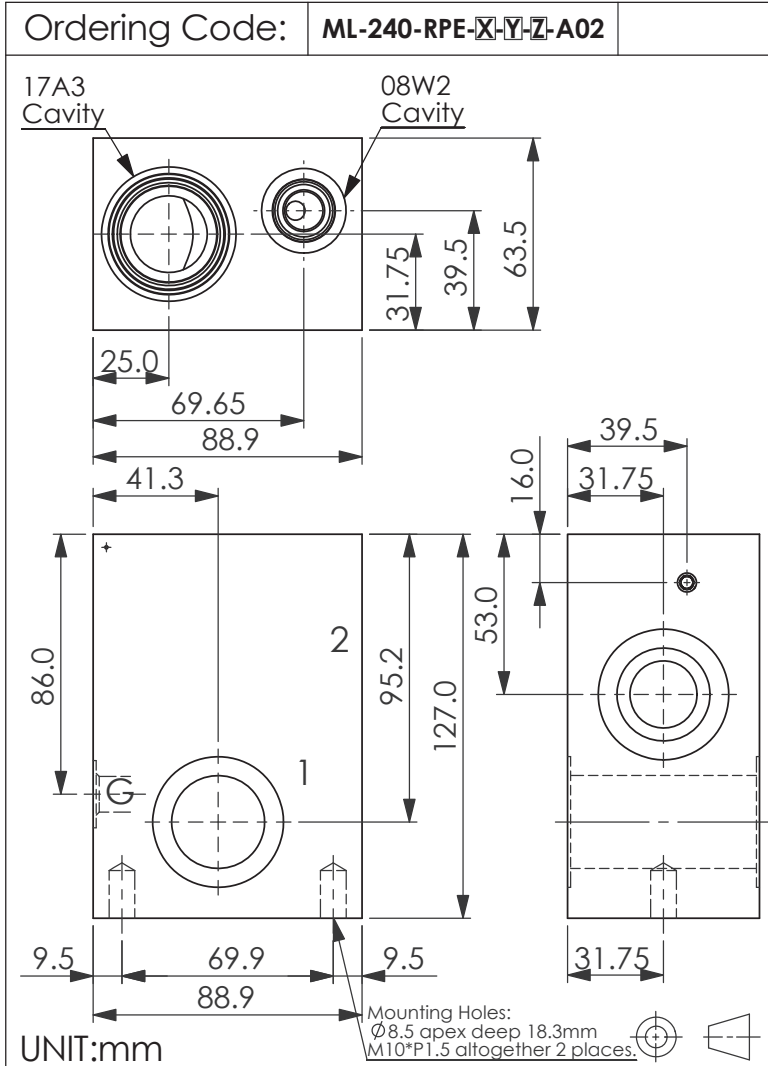
HYDRAULIC CIRCUITS(WITH VALVES)



Ordering Code: **ML-120-RDH-RP0A-RP0A-G04-A01**

Ordering Code: **ML-120-RDH-RD5A-RD5A-G04-A01**

STANDARD MANIFOLD LINE MOUNT BODIES



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar
 Ductile Iron
 Body Pressure Rating: 350 bar

Cavity:
 Refer to 17A3
 08W2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.45 kg(WITHOUT VALVES)

* If you need the special specification.
 Please contact us.

X CARTRIDGE VALVES SELECTION

17A3 CAVITY ONLY(WITHOUT VALVE)

RV0A RV17A30AL (240LPM , 7-210bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Y SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)

08W2 CAVITY ONLY(WITHOUT VALVE)

EP02 EP08W2A02N04 , 30LPM,350bar
(NORMALLY OPEN,WITHOUT COIL)

COIL MUST BE ORDERED SEPARATELY
(REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and manifolds assembly in accordance with request function (flow \ pressure \ ... etc.)

Z PORT SIZE

Z PORTS PORT

1,2 **G**

G08 G 1" G 1/4"

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