

BLOKI LINIOWE





"MI	L" Line Mount	Standa	rd Manif	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-2A3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		303
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-2A3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		304
SYMBOL	- Main Code	Flow	Pressure	Stack Height	Page
2	ML-2A3-X-Y-01-Z	1/min	210 (Aluminum) 350 (Ductile Iron)	mm	305
SYMBOL	- Main Code	Flow	Pressure	Stack Height	Page
2	ML-2A3-X-Y-02-Z	l/min	210 (Aluminum) 350 (Ductile Iron)	mm	306
G					
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 - V2	ML-2A3-X-Y-41-Z		210 (Aluminum) 350 (Ductile Iron)		307
C1 C2					



"MI	L" Line Mount	Standa	rd Manii	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 C1 C2	ML-2A3-X-Y-02-Z	120	210 (Aluminum) 350 (Ductile Iron)	50.0	308
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-3A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		309
SYMBOL	- Main Code	Flow	Pressure	Stack Height	Page
2	ML-3A2-X-Y-01-Z	l/min	210 (Aluminum) 350 (Ductile Iron)	mm	310
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 G	ML-3A2-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)		311
1					
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-3A2-X-Y-03-Z		210 (Aluminum) 350 (Ductile Iron)		312
G					



"M	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-5A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		313
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-5A2-X-Y-41-Z		210 (Aluminum) 350 (Ductile Iron)	-	314
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-8A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	315
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-10A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		316
SYMBOL	— Main Code	Flow	Pressure	Stack Height	Page
2	ML-10A2-X-Y-01-Z	l/min	210 (Aluminum) 350 (Ductile Iron)	mm	317



"M	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 G	ML-10A2-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)		318
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 G 1	ML-10A2-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)		319
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-10A2-X-Y-61-Z		210 (Aluminum) 350 (Ductile Iron)	-	320
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-11A3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		321
SYMBOL	W. G.	Flow	Pressure	Stack Height	
3	Main Code ML-11A3-X-Y-01-Z	l/min	210 (Aluminum) 350 (Ductile Iron)	mm	Page 322



"MI	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 3	ML-11A3-X-Y-02-Z	17.72222	210 (Aluminum) 350 (Ductile Iron)	-	323
SYMBOL	Main Code	Flow	Pressure	Stack Height	Page
V1 V2	ML-11A3-X-Y-41-Z	l/min	bar 210 (Aluminum) 350 (Ductile Iron)	mm	324
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 C1 C2	ML-11A3-X-Y-02-Z	60	250 (Aluminum) 350 (Ductile Iron)	32.0	325
SYMBOL ML-11A3-G03-A01-CB3H ML-11A3-G03-A01-CO20	- Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
3 3 2	ML-11A3-X-Y-05-Z		210 (Aluminum) 350 (Ductile Iron)		326
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height	Page
	ML-13A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		327



Main Code Main Code ML-13A2-X-Y-41-Z Main Code ML-16A2-X-Y-01-Z	Flow l/min Flow l/min	Pressure bar 210 (Aluminum) 350 (Ductile Iron) Pressure bar 210 (Aluminum) 350 (Ductile Iron)	Stack Height mm Stack Height mm	Page 328 Page 329
Main Code		(Aluminum) 350 (Ductile Iron) Pressure bar 210 (Aluminum) 350		Page
		bar 210 (Aluminum) 350		
ML-16A2-X-Y-01-Z		(Aluminum)		329
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-16A2-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)		330
Main Codo	Flow	Pressure	Stack Height	Page
ML-16A2-X-Y-03-Z	l/min	210 (Aluminum) 350 (Duetile Iron)	mm	331
		(Bueine Holl)		
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-17A3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		332
	Main Code Main Code Main Code Main Code	Main Code /min ML-16A2-X-Y-02-Z Main Code Flow /min Main Code Flow /min	Main Code 1/min bar	Main Code 1/min bar mm



L" Line Mount	Stanua	iru mami	loius	
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-17A3-X-Y-02-Z	I I I I I I I I I I I I I I I I I I I	210 (Aluminum) 350 (Ductile Iron)		333
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-17A3-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)		334
- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-17A3-X-Y-03-Z		210 (Aluminum) 350 (Ductile Iron)		335
— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-18A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		336
	Flow	Pressure	Stack Height	
Main Code ML-18A2-	l/min	bar 210 (Aluminum) 350 (Ductile Iron)	mm	Page
	Main Code ML-17A3- X - Y -02- Z Main Code ML-17A3- X - Y -02- Z Main Code ML-17A3- X - Y -03- Z Main Code ML-18A2- X - Y -01- Z Main Code	Main Code Flow	Main Code	Main Code



	folds	rd Mani	Standa	L" Line Mount	"M
Page	Stack Height mm	Pressure bar	Flow 1/min	Main Code	SYMBOL
338	-	210 (Aluminum) 350 (Ductile Iron)		ML-19A3-X-Y-01-Z	3
Page	Stack Height mm	Pressure bar	Flow 1/min	Main Code	SYMBOL
339	_	210 (Aluminum) 350 (Ductile Iron)		ML-19A3-X-Y-02-Z	2 3
Page	Stack Height mm	Pressure bar	Flow 1/min	- Main Code	SYMBOL
340		210 (Aluminum) 350 (Ductile Iron)		ML-19A3-X-Y-03-Z	2
Page	Stack Height mm	Pressure bar	Flow 1/min	- Main Code	SYMBOL
341		210 (Aluminum) 350 (Ductile Iron)		ML-19A3-X-Y-04-Z	2 3
	Stack Height	Pressure	Flow		SYMBOL
Page 342	mm	bar 210 (Aluminum) 350 (Ductile Iron)	l/min	Main Code ML-19A3-X-Y-05-Z	3 1 WIBOL 3
	-	210 (Aluminum) 350	J. IIIII	ML-19A3-X-Y-05-Z	



"MI	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-21A4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	343
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-22A4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	_	344
SYMBOL	M: Cl	Flow	Pressure	Stack Height	n.
4 — —	- Main Code	l/min	bar	mm	Page
3	ML-23A4-X-Y-01-Z		210 (Aluminum)		345
2 G			350 (Ductile Iron)		
SYMBOL 4	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-24A4-X-Y-01-Z		210 (Aluminum) 350		346
			(Ductile Iron)		
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-24A4-X-Y-01-Z		210 (Aluminum)		347
2			350 (Ductile Iron)		
G					



L Line Mount	Stallua	ırd Mani	IOIAS	
— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-31A4-X-Y-11-Z		210 (Aluminum) 350 (Ductile Iron)		348
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-31A4-X-Y-01-Z		210 (Aluminum)		349
		350 (Ductile Iron)		
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-32A4-X-Y-11-Z		210 (Aluminum)		350
2		350 (Ductile Iron)		
— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ML-32A4-X-Y-01-Z		210 (Aluminum)		351
		350 (Ductile Iron)		
Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
MI -33 A 1 V V 11 7		210 (Aluminum)		352
ML-33A4- <u>X</u>		350 (Ductile Iron)		334
	ML-31A4-X-Y-11-Z Main Code ML-31A4-X-Y-01-Z Main Code ML-32A4-X-Y-11-Z Main Code ML-32A4-X-Y-01-Z	Main Code I/min ML-31A4-XI-YI-11-Z	Main Code I/min bar 210 (Aluminum) 350 (Ductile Iron)	Main Code



"M	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-33A4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		353
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height	Page
3 2	ML-34A4-X-Y-11-Z	Dillill	210 (Aluminum) 350 (Ductile Iron)	mm	354
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-34A4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		355
CVMDOI		El		C41- 11-2-1-4	
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-162A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		356
			(Bueine Hon)		
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-162A2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		357



"M	L" Line Mount	Standa	ard Mani	folds	
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
3	ML-163A3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		358
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-08W2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		359
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 G	ML-08W2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		360
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 2	ML-08W2-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)		361
SYMBOL	— Main Code	Flow	Pressure	Stack Height	Page
2	ML-08W2-X-Y-41-Z	l/min	210 (Aluminum) 350 (Ductile Iron)	mm	362
2			(Ductile Iron)		



"MI	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-08W3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	363
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-08W4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		364
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-10W2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	365
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 2	ML-10W2-X-Y-02-Z		210 (Aluminum) 350 (Ductile Iron)	_	366
1					
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-10W2-X-Y-41-Z		210 (Aluminum) 350 (Ductile Iron)	-	367



"MI	L" Line Mount	Standa	rd Mani	folds	
SYMBOL (Poppet 2-Way Normally -Open Cartridge Style) (Poppet 2-Way Normally -Closed Cartridge Style)	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
X=EP02(P) X=EP01(M) P	ML-10W2-X-Y-51-Z	70	250 (Aluminum) 350 (Ductile Iron)		368
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 3	ML-10W3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		369
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 3	ML-10W3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		370
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-10W4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		371
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-10W4-X-Y-11-Z		210 (Aluminum) 350 (Ductile Iron)	_	372



"MI	L" Line Mount S	Standa	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-12W2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		373
1					
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-12W3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		374
<u> </u>					
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-12W4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		375
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-16W2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	_	376
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
G2	ML-16W2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		377
			(Sucure Holl)		



"Ml	L" Line Mount S	Standa	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-16W3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		378
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-16W4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		379
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-16W4-X-Y-11-Z		210 (Aluminum) 350 (Ductile Iron)		380
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-20WS3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		381
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-20WS4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	382



"MI	L" Line Mount	Standa	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-04E2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	383
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-17E2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	_	384
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-17E2-X-Y-01-Z	1/111111	210 (Aluminum) 350 (Ductile Iron)	-	385
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height	Page
2	ML-19E2-X-Y-01-Z	I/IIIII	210 (Aluminum) 350 (Ductile Iron)	-	386
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-21E2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		387



"M	L" Line Mount S	Standa	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 3 G	ML-18M3-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	388
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 2	ML-18M4-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)	-	389
CVANDOL					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-20M2-X-Y-01-Z		210 (Aluminum) 350		390
			(Ductile Iron)		
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-20MB2-X-Y-01-Z		210 (Aluminum)	_	391
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
G2	ML-22M2-X-Y-01-Z		210 (Aluminum) 350		392
			(Ductile Iron)		



"MI	L" Line Mount S	Standa	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2 G	ML-22M3-X-Y-01-Z	7.222	210 (Aluminum) 350 (Ductile Iron)	-	393
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-28M2-X-Y-01-Z		210 (Aluminum) 350 (Ductile Iron)		394
1					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 S V2	ML-60-CDK-X-Y-Z-A41		210 (Aluminum) 350		395
			(Ductile Iron)		
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-60-CDW-X-Y-Z-A01		210 (Aluminum) 350	-	396
C1 - C2			(Ductile Iron)		
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-60-CDW-X-Y-Z-S01		210 (Aluminum) 350 (Ductile Iron)		397
C1 - C2					



"MI	L" Line Mount S	tanda	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-60-CDW-X-Y-Z-A41	1/11111	210 (Aluminum) 350 (Ductile Iron)	-	398
SYMBOL		Flow	Pressure	Stack Height	
V1 V2	Main Code	1/min	bar	mm	Page
	ML-60-CDW-X-Y-Z-S41		210 (Aluminum) 350 (Ductile Iron)		399
C1 C2					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-60-CDW-X-Y-Z-A42	1/111111	210 (Aluminum)	IIIII	400
			350 (Ductile Iron)		
C1 C2		TO .	D		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
VI V2	ML-120-CDW-X-Y-Z-A01		210 (Aluminum)		401
			350 (Ductile Iron)		
C1 C2					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-120-CDW-X-Y-Z-S01		210 (Aluminum)		402
V1 — V2 — V2			350 (Ductile Iron)		
C1 - C2					



"MI	L" Line Mount S	Standa	rd Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-120-CDW-X-Y-Z-A01		210 (Aluminum) 350 (Ductile Iron)		403
SYMBOL	- Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-120-CDW-X-Y-Z-S01		210 (Aluminum) 350 (Ductile Iron)		404
C1 — C2					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-120-CDW-X-Y-Z-A41		210 (Aluminum)		405
			350 (Ductile Iron)		
SYMBOL	- Main Code	Flow	Pressure	Stack Height	Page
V1 V2	Wram Code	1/min	bar	mm	1 age
	ML-120-CDW-X-Y-Z-S41		210 (Aluminum) 350	-	406
			(Ductile Iron)		
C1 C2					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1	ML-240-CDW-X-Y-Z-A01		210 (Aluminum)		407
			350 (Ductile Iron)		
C1 - C2					



"MI	L" Line Mount S	tanda	ard Mani	folds	
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
V1 V2	ML-480-CDW-X-Y-Z-A01		210 (Aluminum) 350 (Ductile Iron)		408
SYMBOL CF	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
© 0 - 1	ML-60-FRW-X-Y-Z-A01	60	210 (Aluminum) 350 (Ductile Iron)	-	409
IN IN					
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3	ML-60-FRW-X-Y-Z-A01	60	210 (Aluminum) 350		410
EF O IN			(Ductile Iron)		
SYMBOL CF	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
3 EF	ML-60-FRW-X-Y-Z-A01	40	210 (Aluminum) 350	-	411
			(Ductile Iron)		
SYMBOL CF	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
©	ML-120-FRW-X-Y-Z-A01	120	210 (Aluminum) 350		412
O IN			(Ductile Iron)		



"MI	L" Line Mount S	tanda	ard Mani	folds	
SYMBOL CF	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ML-120-FRW-X-Y-Z-A01	120	210 (Aluminum) 350 (Ductile Iron)		413
SYMBOL CF	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
© TEF	ML-240-FRW-X-Y-Z-A01	240	210 (Aluminum) 350 (Ductile Iron)	-	414
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
CF 3 Q D	ML-240-FRW-X-Y-Z-A01	240	210 (Aluminum) 350 (Ductile Iron)		415
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
RH ② RP10A20CL GH G1/4* GL G1/4* GL G1/4* RE CV13A2020N PL DEBZA33HL TG 1/2*	ML-60-HLP-G04-X-01		210 (Aluminum) 350 (Ductile Iron)		416
G 1/2" G 1/2"					
SYMBOL	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-60-PPC-X-Y-Z-A01		210 (Aluminum) 350 (Ductile Iron)		417
G G					

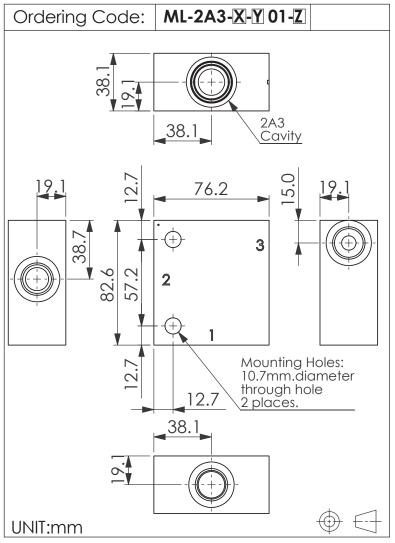


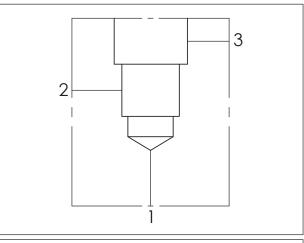
··N	IL" Line Mount S	<u>Standa</u>	<u>ırd Mani</u>	folds	
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-60-PPC-X-Y-Z-A01		210 (Aluminum) 350 (Ductile Iron)	-	418
SYMBOL		Flow	Pressure	Stack Height	
STINDOL	— Main Code	1/min	bar	mm	Page
2	ML-120-PPC-X-Y-Z-A01		210 (Aluminum)		419
			350 (Ductile Iron)		
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-120-PPC-X-Y-Z-A01		210 (Aluminum)		420
			350 (Ductile Iron)		
SYMBOL	— Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-240-PPC-X-Y-Z-A01		210 (Aluminum)		421
			(Ductile Iron)		
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-240-PPC-X-Y-Z-A01		210 (Aluminum)		422
1 =			350 (Ductile Iron)		
			350 (Ductile Iron)		



"MI	L" Line Mount S	tanda	rd Mani	folds	
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
2	ML-120-RDH-X-Y-Z-A01		210 (Aluminum) 350 (Ductile Iron)		423
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	ML-240-PRE-X-Y-Z-A02		210 (Aluminum) 350 (Ductile Iron)		424
2 1 G					







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.

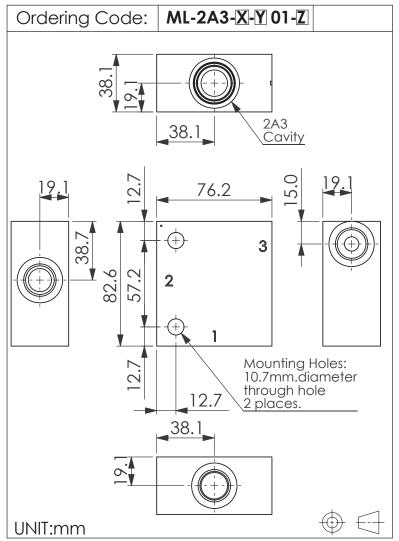
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G04A	G 1/2"	G 1/4"	
G06A	G 3/4"	G 1/4"	
S08A	SAE 8	SAE 6	
\$10A	SAE 10	SAE 6	
\$12A	SAE 12	SAE 6	

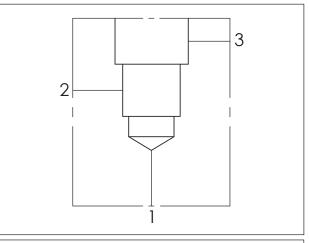
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RV3A	RV2A30AL (120LPM,7-210bar)	
СВЗН	CB2A33HL (3:1 , 7-280bar)	
CO03	CO2A3003N (120LPM ,0.3bar)	
The sections	Manada and Caramanala Diagram and an	4 - 1 A C

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 \cdot pressure \cdot ... etc.)







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.

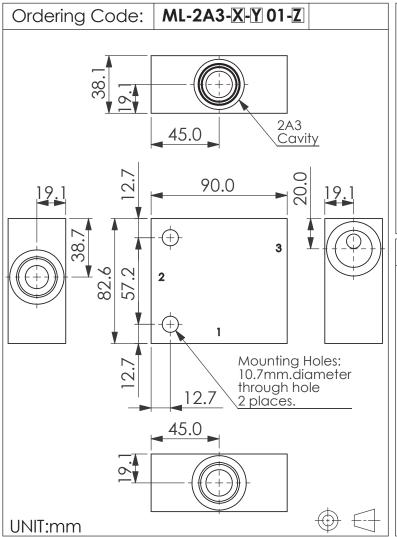
		PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G04	G 1/2"	G 1/2"	
G06B	G 3/4"	G 1/2"	
P03	3/8"PT	3/8"PT	
P04	1/2"PT	1/2"PT	

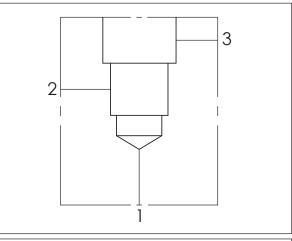
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
PP0A	PP2A30AL (80LPM,7-210bar)	
PD0A	PD2A30AL (80LPM,50-210bar)	
The select	tion is sully systematic. Disease water	4 - \ \ / i

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 \cdot pressure \cdot ... etc.)







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.

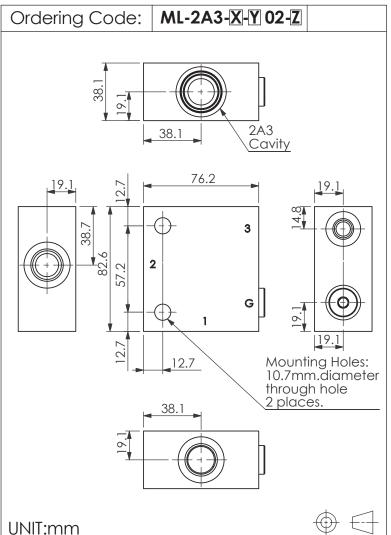
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G06	G 3/4"	G 3/4"	_

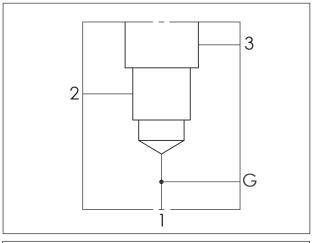
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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







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.

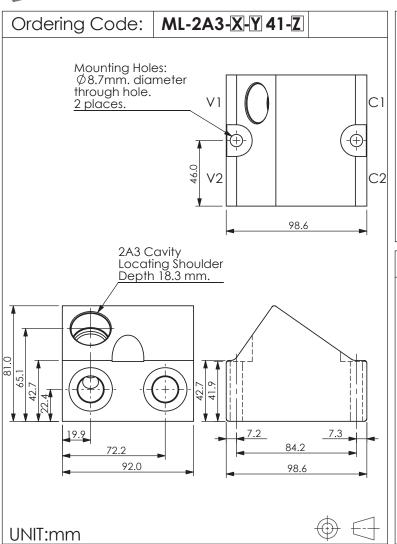
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G04AG	G 1/2"	G 1/4"	G 1/4"	

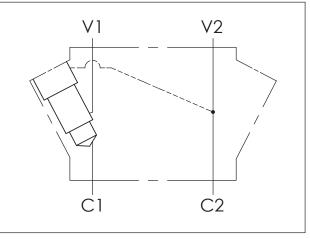
Y	BODY MATERIAL	Z
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	RV
	'	СВ
		СО
		SPO
		The s Cartr and r

Z	CARTRIDGE VALVES SELECTION				
	WITHOUT VALVE				
RV30	RV2A30AL (120LPM,7-210bar)				
СВЗН	CB2A33HL (3:1 , 7-280bar)				
CO03	CO2A3003N (120LPM ,0.3bar)				
SPOA	SP2A30AL (120LPM,7-210bar)				
The selection is only example Please refer to Winner					

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.)







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.

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

Y	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON			

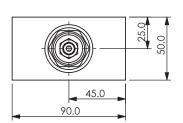
Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
СВЗН	CB2A33HL (3:1, 7-280bar)			
CO03	CO2A3003N (120LPM ,0.3bar)			

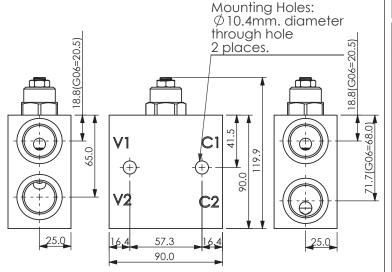
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

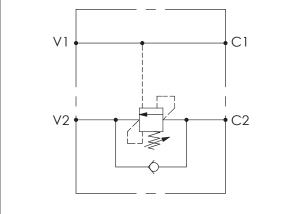


Ordering Code: ML-2A3-X-Y 02-Z

Stack Height: 50.0mm







TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 120 I/min

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

* Refer to Winner Cartridge Valves Catalog.

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

^{*} If you need the special specification. Please contact us.

30	Free Fl	ow or P Pressure	iloted (Drop	Open	
Pressure-∆P(bar) 25 27 27 27 27 27 27 27 27 27 27 27 27 27					
7 - 15		CB4J CB0J \			
10 5 Less		CDOS		СВЗН	
F 3					
C) 3		0 9)
		LIOM-C	ડ્ર(I/min)		

	PORT SIZE			
X	PORTS	PORTS		
	V1,V2	C1,C2		
G04	G 1/2"	G 1/2"		
G06	G 3/4"	G 3/4"		
\$10	SAE 10	SAE 10		

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
СВЗН	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 maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

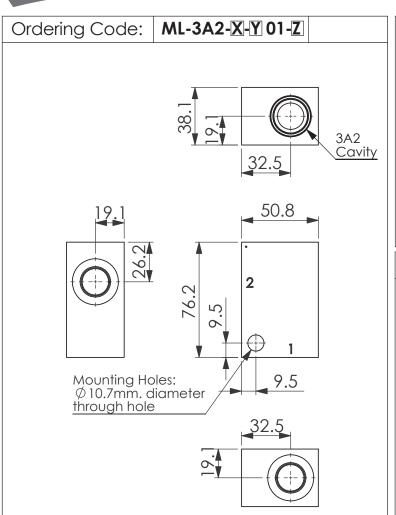
Day 140200

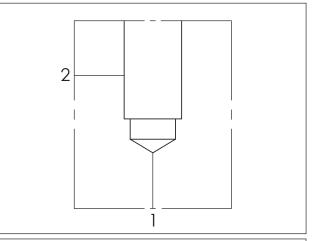
UNIT:mm



UNIT:mm

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.

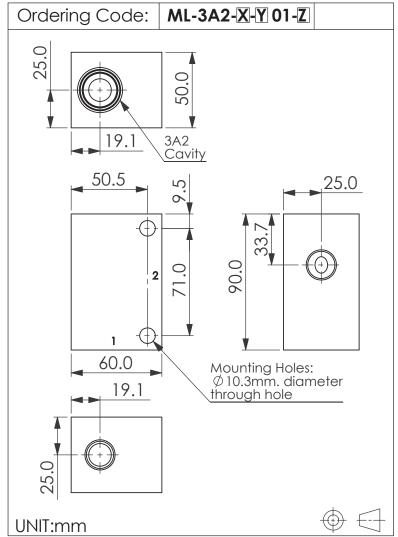
	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

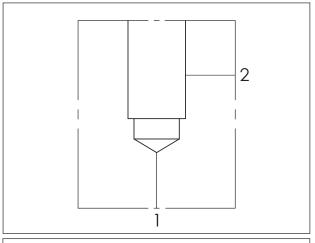
	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	
P03	3/8"PT	3/8"PT	

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 maniflods assembly in accordance with request function (flow \(\) pressure \(\) ... etc.)







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. Pléase contact us.

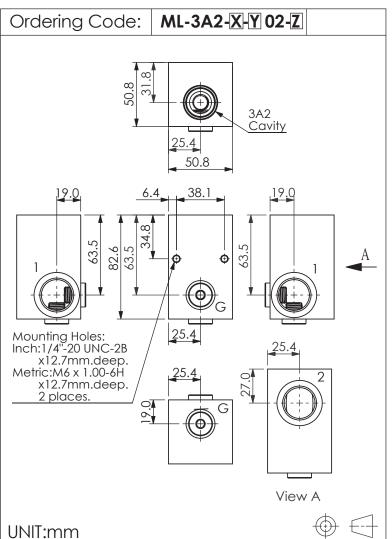
	PORT SIZE		
X	PORT	PORT	
	1	2	
A04	1/2" NPT	1/2" NPT	

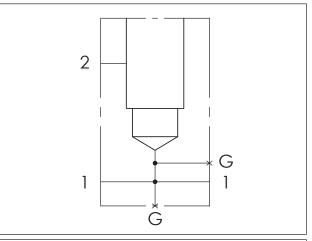
Υ	BODY MATERIAL	Z	CARTRIDGE VALV
Α	HIGH-STRENGTH ALUMINUM		WITHOUT VALVE
		RPOA	RP3A20AL(200 LPM,7~2
		RD5A	RD3A25AL(200 LPM,35~21
P=1505		Cartridge and man	ction is only example. Pleas Program and to select the flods assembly in accorda (flow \ pressure \ \ etc.)

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

ase refer to Winner he appropriate valves ance with request







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	
\$10G	SAE 10	1/4"NPT	
\$12G	SAE 12	1/4"NPT	

BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

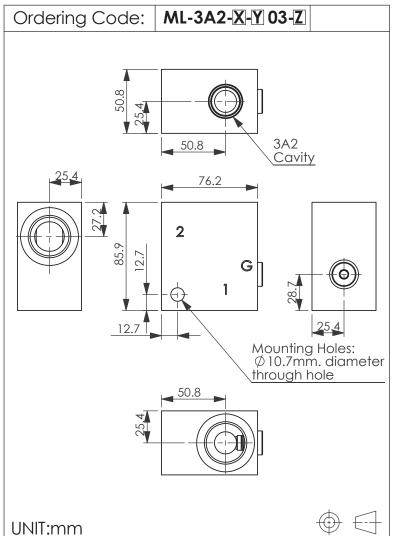
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP3A20AL(200 LPM,7~210 bar)		
RD5A	RD3A25AL(200 LPM,35~210 bar)		

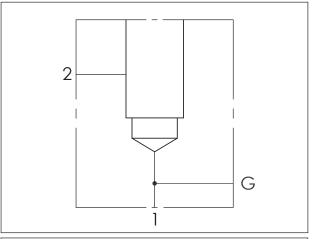
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)



350 bar

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

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.

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

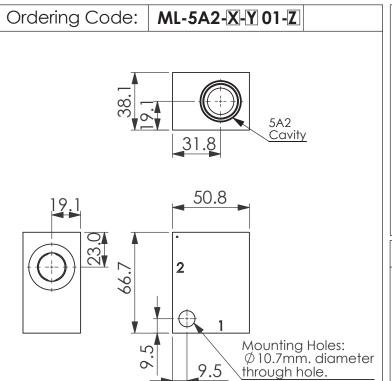
Y	BODY MATERIAL	Z	CARTRID
Α	HIGH-STRENGTH ALUMINUM		WITHOU
S	DUCTILE IRON	RPOA	RP3A20AL(2
		RD5A	RD3A25AL(20
		Cartridge and mani	tion is only expression and flods assembly

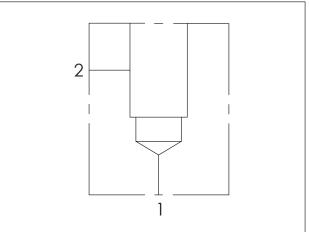
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP3A20AL(200 LPM,7~210 bar)		
RD5A	RD3A25AL(200 LPM,35~210 bar)		

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

Pov 150522







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.

	31.8
19.	

UNIT:mm



	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
808	SAE 8	SAE 8	
\$10	SAE 10	SAE 10	

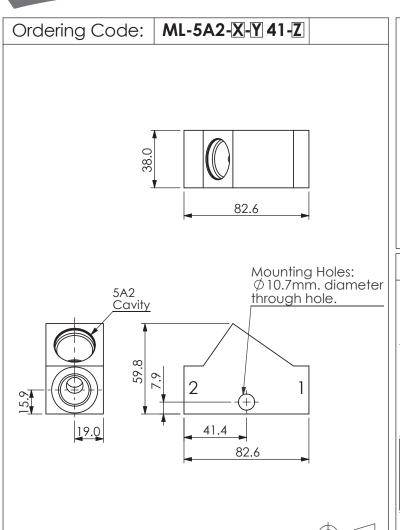
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

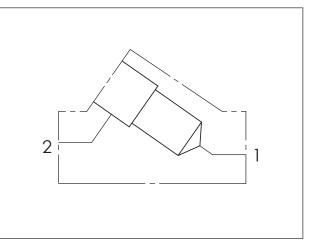
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03	CV5A2003N(160LPM,0.3bar)		
FROA	FR5A20AL(45LPM,350bar)		
NV33	NV5A2033L(350bar)		

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.)

Pay 150500







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.

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

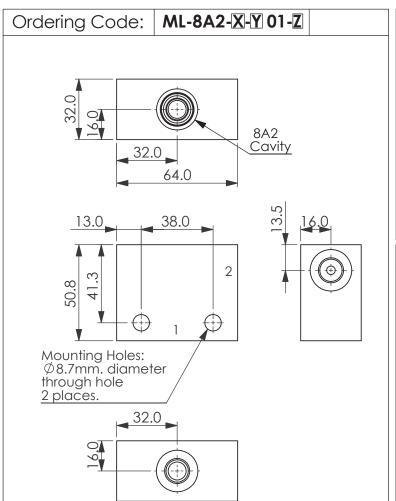
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

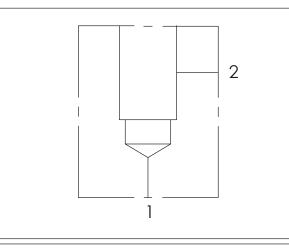
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03	CV5A2003N(160LPM,0.3bar)		
FROA	FR5A20AL (45LPM,350bar)		
NV33	NV5A2033L (350bar)		
	1		

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.)

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.

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

				_
Υ	BODY MATERIAL		Z	(
Α	HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON		RBOA	RI
			PRBDA	PI
			The select Cartridge and manifunction	Pr iflo

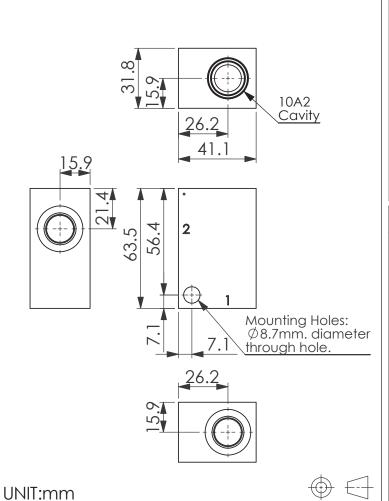
Z	Z CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RBOA	RB8A20AL(10 LPM,1.7~210 bar)		
PRBDA	PRB8A2DAN(1 LPM,20~210 bar)		

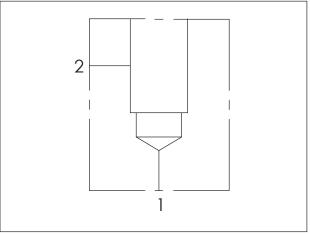
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

UNIT:mm









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)

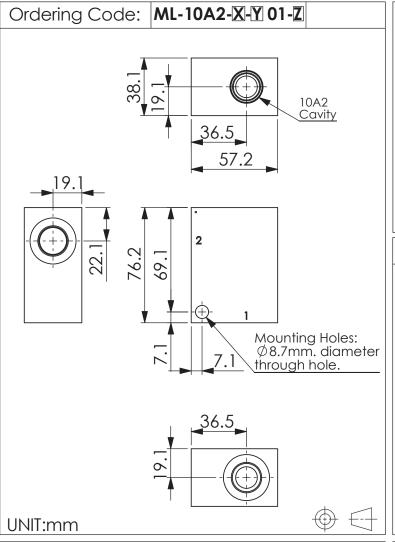
^{*} If you need the special specification. Please contact us.

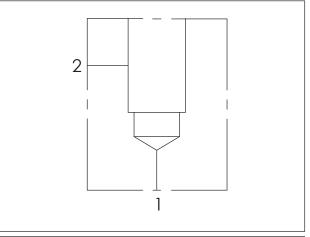
	F	PORT SIZE	
X	PORT	PORT	
	1	2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
P03	3/8"PT	3/8"PT	

Y	BODY MATERIAL	Z	CARTRIDGE VALVES SELECTION	
Α	HIGH-STRENGTH ALUMINUM		WITHOUT VALVE	
S	DUCTILE IRON	RPOA	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 maniflods assembly in accordance with request function (flow \ pressure \ \ etc.)		

Dov. 150500







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 V	ALVES)
Ductile Iron	1.1 kg(WITHOUT V	ALVES)

^{*} If you need the special specification. Please contact us.

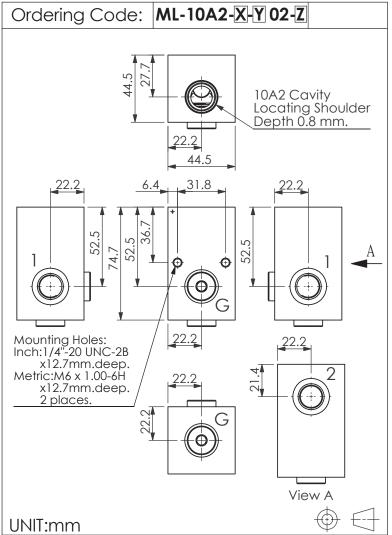
	ı	PORT SIZE	
X	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	

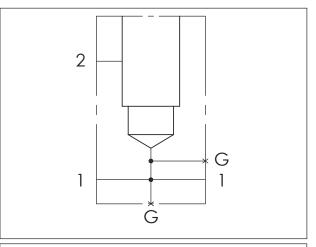
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	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 maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







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.

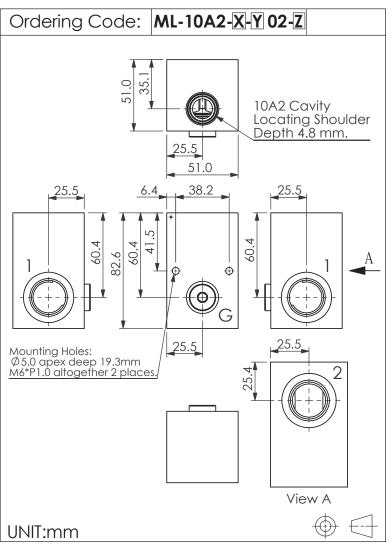
	I		
X	PORTS	PORT	
	1,2	G	
G03G	G 3/8"	G 1/4"	
G04G	G 1/2"	G 1/4"	
S06G	SAE 6	1/4"NPT	
S08G	SAE 8	1/4"NPT	
\$10G	SAE 10	1/4"NPT	

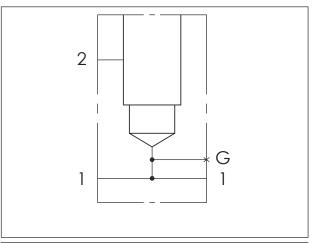
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	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 maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







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.

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

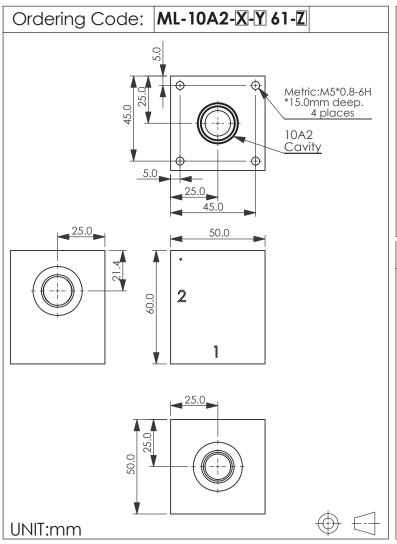
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

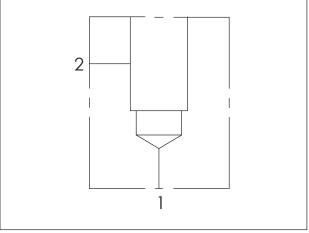
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP10A20AL(95 LPM,7~210 bar)		
RD5A	RD10A25AL(95 LPM,35~210 bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \text{pressure <math color in the color in the

Pay 150522







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.

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

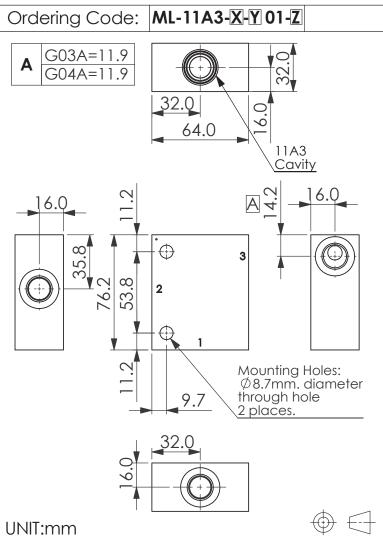
٨
_

Z	CARTRIDGE VALVES SELECTION		
WITHOUT VALVE			
RPOA	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 maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Pov 150522





3
1

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	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	
\$06	SAE 6	SAE 6	
S08A	SAE 8	SAE 6	
\$10A	SAE 10	SAE 6	

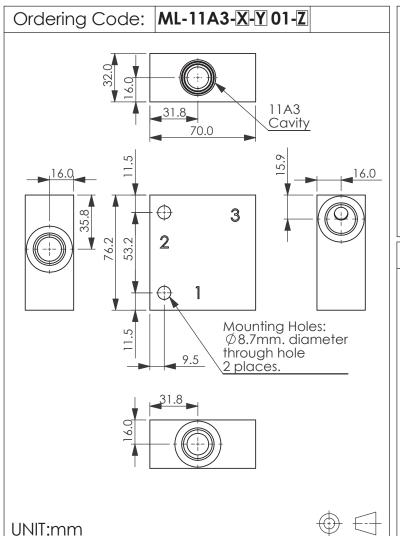
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

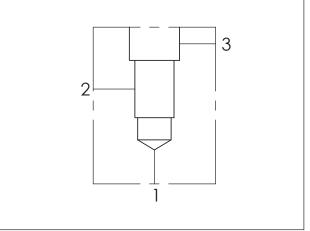
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RV0A	RV11A30AL(60LPM,7-210bar)		
СВЗН	CB11A33HL (60LPM,70-280bar)		
CO20	CO11A3020N (60LPM,2.0bar)		
CC20	CC11A3020N (60LPM,2.0bar)		
SPOA	SP11A30AL (60LPM,7-210bar)		

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

DOV 150825







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.

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

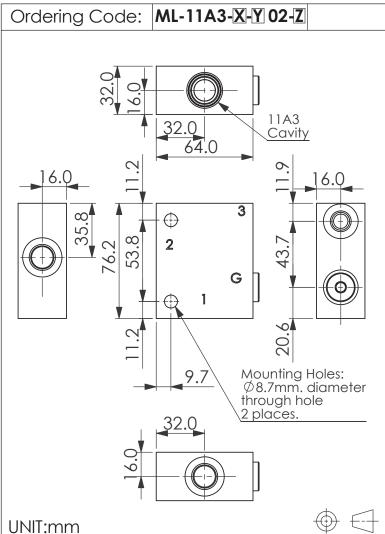
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

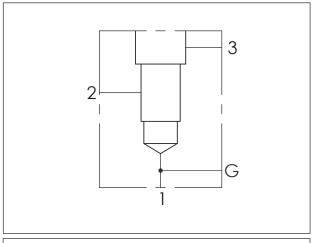
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
PP0A	PP11A30AL (40LPM,7-210bar)		
PD0A	PD11A30AL (40LPM,35-210bar)		

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.)

Pov 120114







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.

	PORT SIZE			
X	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	

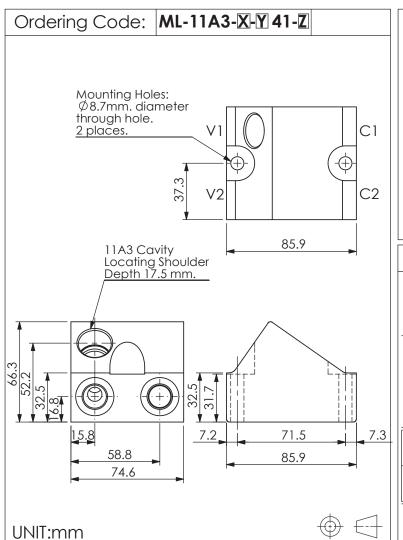
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

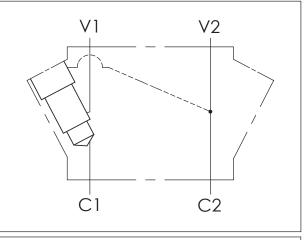
CARTRIDGE VALVES SELECTION		
WITHOUT VALVE		
RV11A30AL(60LPM,7-210bar)		
CB11A33HL (60LPM,70-280bar)		
CO11A3020N (60LPM,2.0bar)		
CC11A3020N (60LPM,2.0bar)		
SP11A30AL (60LPM,7-210bar)		
PB11A30AL (40LPM,7-210bar)		
	WITHOUT VALVE RV11A30AL(60LPM,7-210bar) CB11A33HL (60LPM,70-280bar) CO11A3020N (60LPM,2.0bar) CC11A3020N (60LPM,2.0bar) SP11A30AL (60LPM,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.)

Pay 140410







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.

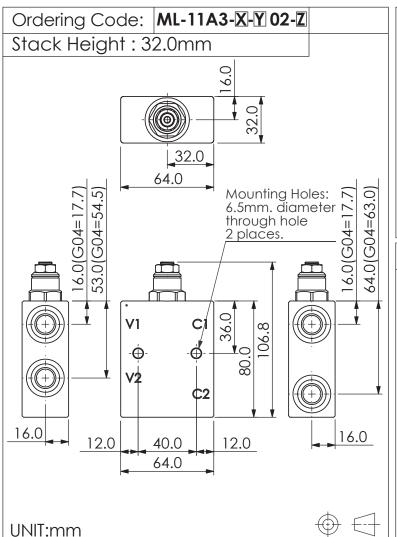
V	PORT SIZE		
X	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	

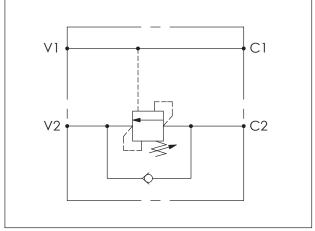
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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 maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)







TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

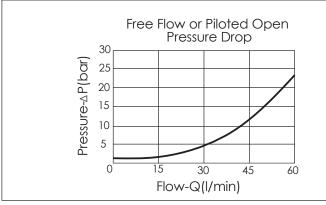
Rated flow: 60 I/min

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

* Refer to Winner Cartridge Valves Catalog.

		kg(WITHOUT VALVES) kg(INCLUDE VALVES)
Ductile Iron	1.0 1.2	kg(WITHOUT VALVES) kg(INCLUDE VALVES)

^{*} If you need the special specification. Please contact us.



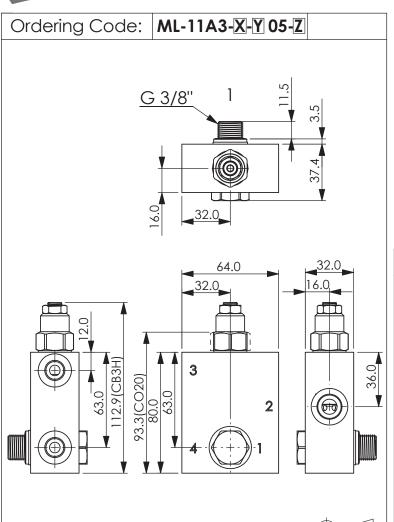
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

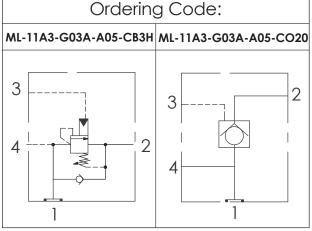
	PORT SIZE		
X	PORTS PORTS		
	V1,V2	C1,C2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
S06	SAE 6	SAE 6	

	CARTRIDGE VALVES SELECTION	
WITHOUT VALVE		
B11A33HL (3:1 , 280bar)		
B11A34JL (4.5:1 , 350bar)		
B11A30JL (10:1 , 350bar)		
	B11A33HL (3:1 , 280bar) B11A34JL (4.5:1 , 350bar)	

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.)







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

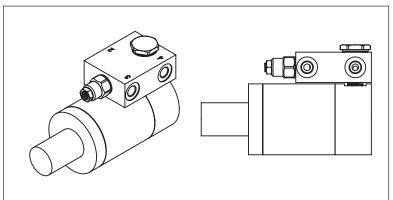
Cavity:

Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.45 kg(WITHOUT VALVES)
Ductile Iron	1.04 kg(WITHOUT VALVES)

* 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"	

Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	
	'	

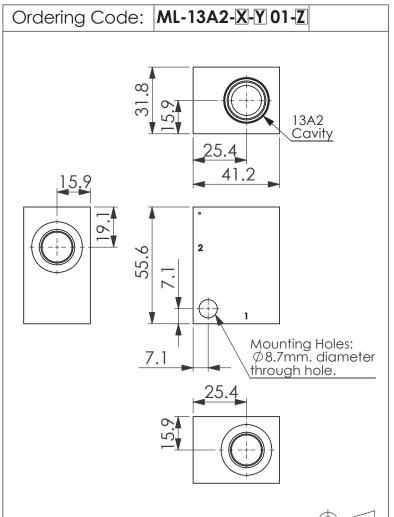
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
СВЗН	CB11A33HL (3:1, 280bar)	
CO20	CO11A3020N (60LPM , 2.0bar)	

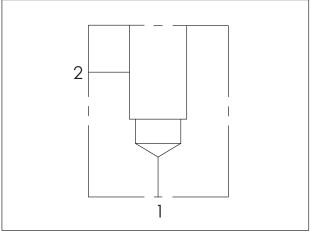
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120605

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.

	PORT SIZE		
X	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	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

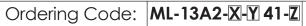
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV13A2003N (80LPM,0.3bar)	
NV48	NV13A2048L (350bar)	
NCBA	NC13A21BAL (350bar)	
FROA	FR13A20AL (0.4-23LPM,350bar)	
LS0G	LS13A20NG04 (10LPM)	

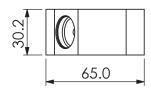
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

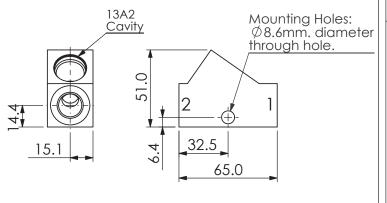
UNIT:mm



LINE MOUNT BODIES

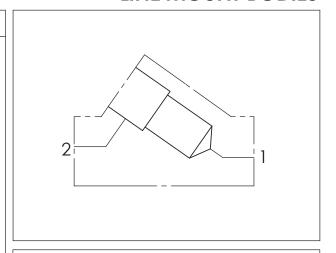






UNIT:mm





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.

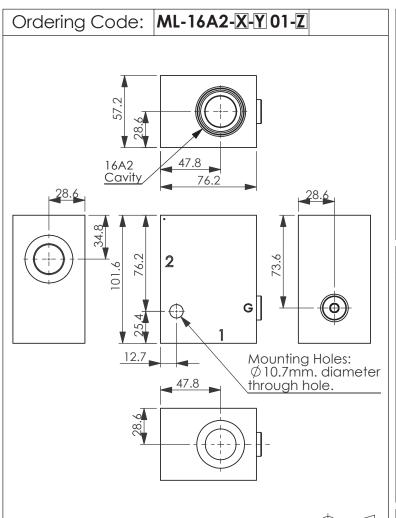
	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
S06	SAE 6	SAE 6	

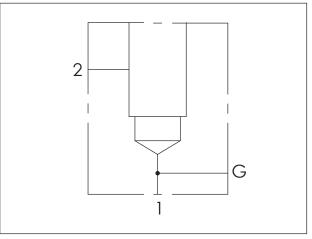
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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

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 \(\text{pressure} \) \(\text{...} \) etc.)







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.

	PORT SIZE		
X	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"	
\$12G	SAE 12	1/4"NPT	
\$16G	SAE 16	1/4"NPT	

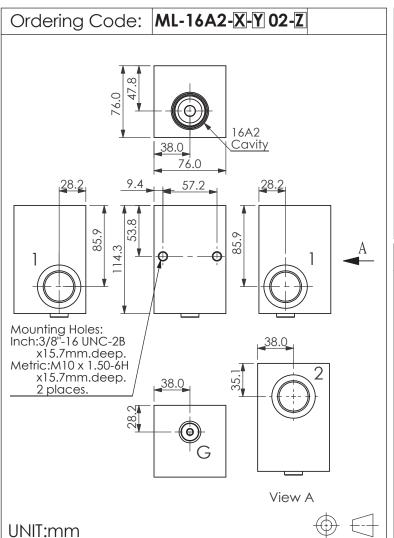
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

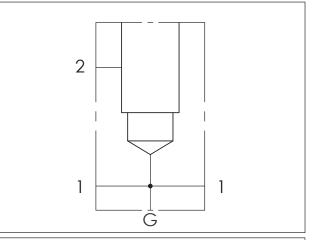
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP16A20AL(380 LPM,7~210 bar)	
CV03	CV16A2003N (320LPM,0.3bar)	
FROA	FR16A20AL (0.8-95LPM)	
	FR16A20AL (0.8-95LPM)	to Winner

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.)

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

^{*} If you need the special specification. Please contact us.

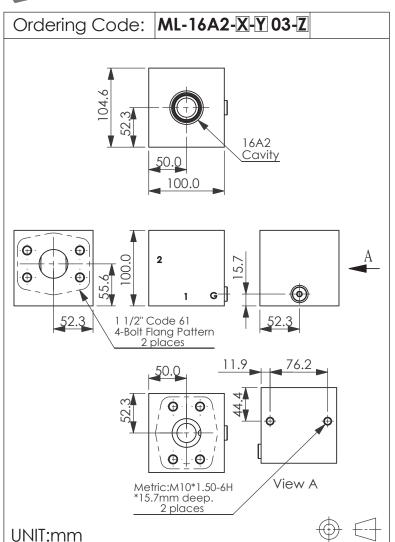
	P	ORT SIZE	
X	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	
G08G	G 1"	G 1/4"	
G10G	G 1-1/4"	G 1/4"	
\$12G	SAE 12	1/4"NPT	

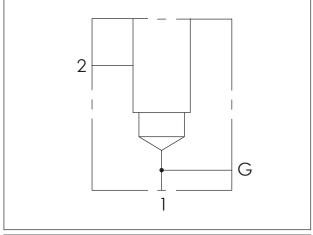
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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 maniflods assembly in accordance with request function (flow \ pressure \ \ \... etc.)







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.

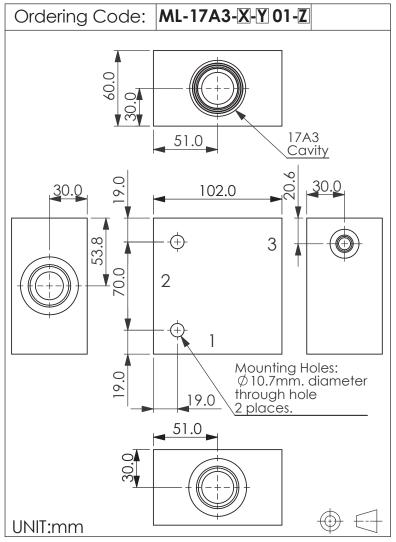
	PORT SIZE		
X	PORTS	PORT	
	1,2	G	
F30G 1 1/2" Code 61 4-Bolt Flang Pattern		G 1/4"	
F30G	•		

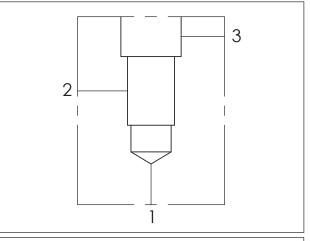
Υ	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

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 maniflods assembly in accordance with request function (flow > pressure > ... etc.)







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.

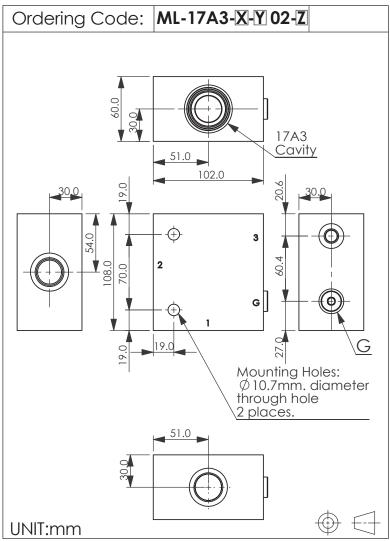
	PORT SIZE		
X	PORTS	PORT	
	1,2	3	
G08A	G 1"	G 1/4"	
G10A	G 1-1/4"	G 1/4"	
\$16A	SAE 16	SAE 6	
P03	3/8"PT	3/8"PT	

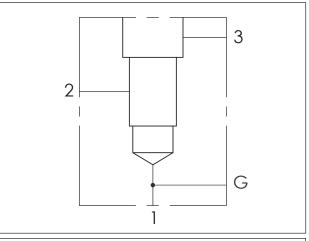
Υ	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

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			

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 \(\text{pressure} \) \(\text{...} \) etc.)







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.

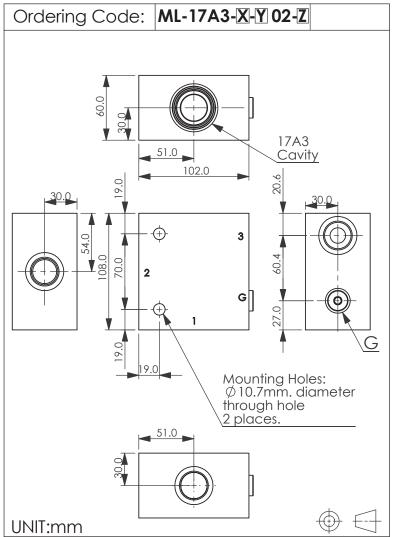
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

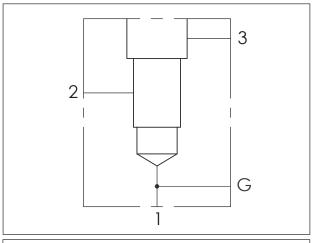
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G06AG	G 3/4"	G1/4"	G1/4"	
S16AG	SAE 16	SAE 12	1/4"NPT	

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

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.)







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)

PORT SIZE

^{*} If you need the special specification. Please contact us.

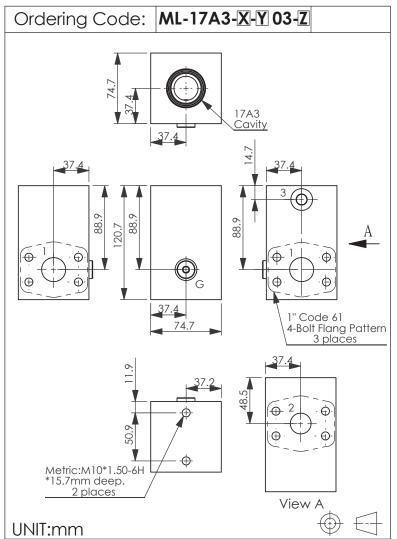
X	PORTS	PORT	PORT
	1,2	3	G
G06G	G 3/4"	G 3/4"	G 1/4"
\$12G	SAE 12	SAE 12	1/4"NPT
7	O 4 D T D I	DOE \/A	

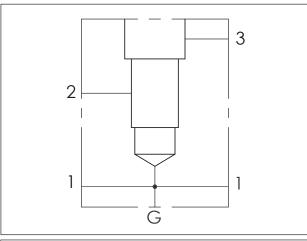
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
PP0A	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 maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)







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.

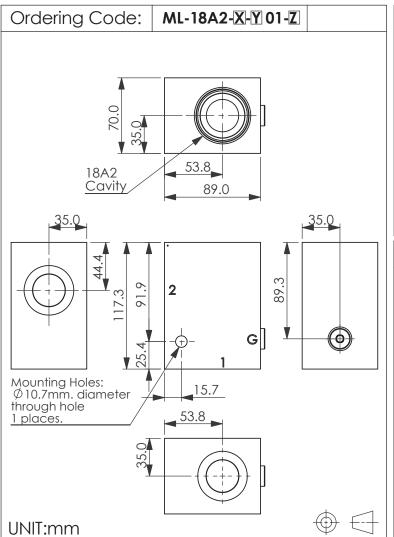
PORT SIZE				
PORTS	PORT	PORT		
1,2	3	G		
1" Code 61 4-Bolt Flang Pattern	G1/4"	G 1/4"		
	1,2	PORTS PORT 1,2 3	PORTS PORT PORT	

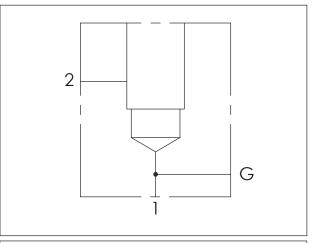
Y	BODY MATERIAL	ı
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

CARTRIDGE VALVES SELECTION			
	RVOA		
	RVOA		

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.)







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.

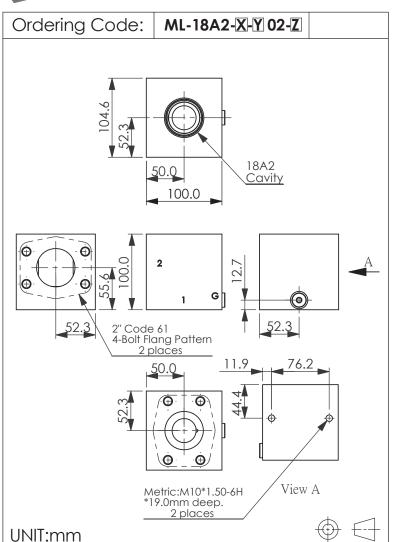
	PORT SIZE				
X	PORTS	PORT			
	1,2	G			
G08G	G 1"	G 1/4"			
G10G	G 1-1/4"	G 1/4"			
\$16G	SAE 16	1/4"NPT			

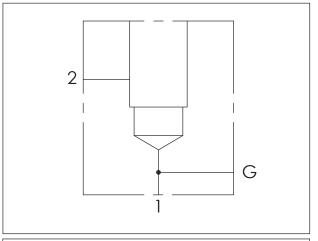
Υ	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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		

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.)







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	
G	
G 1/4"	
_	G

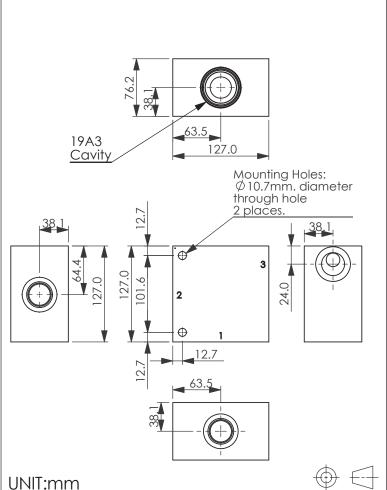
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

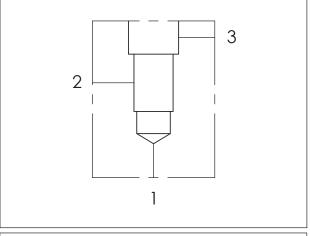
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP18A20AL (760LPM,7-210bar)	
CV03	CV18A2003N (640LPM,0.3bar)	
FROA	FR18A20AL (1.0 to 200LPM)	
The selection is only example. Please refer to Winner		

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.)









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)

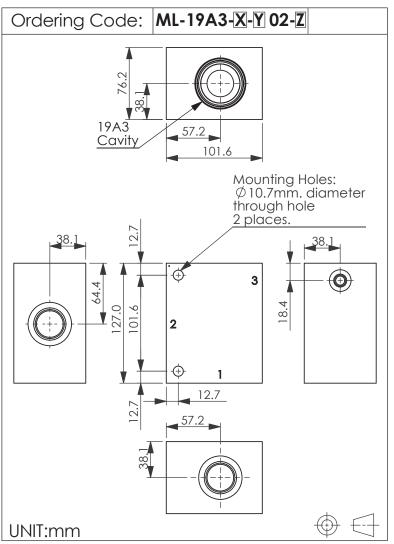
^{*} If you need the special specification. Please contact us.

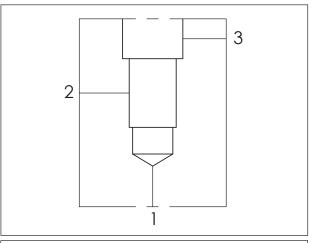
		PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G08	G 1"	G 1"	

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 maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)







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.

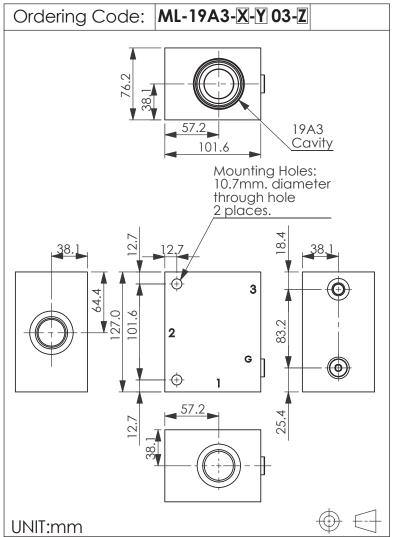
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G08A	G 1"	G 1/4"	
G10A	G 1-1/4"	G 1/4"	

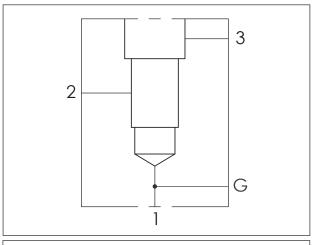
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RVOA	RV19A30AL (480LPM,7-210bar)		
СВСН	CB19A3CHL (3:1,70-280bar)		
CO20	CO19A3020N (480LPM,2.0bar)		
CC20	CC19A3020N (640LPM,2.0bar)		
The selection is only example. Please refer to Winner			

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.)







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.

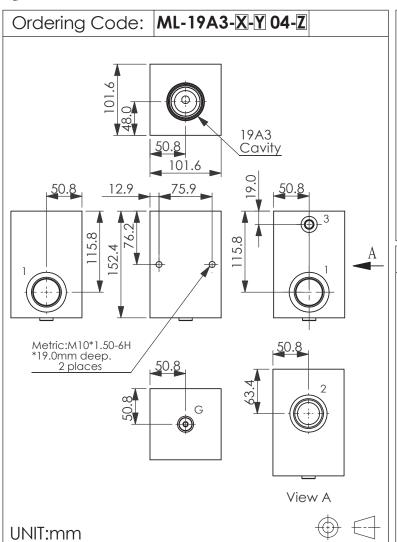
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G08AG	G 1"	G 1/4"	G 1/4"	
S16AG	SAE 16	SAE 6	1/4"NPT	
S20AG	SAE 20	SAE 6	1/4"NPT	

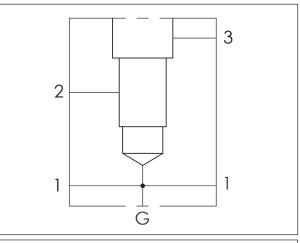
BODY MATERIAL		
HIGH-STRENGTH ALUMINUM		
DUCTILE IRON		
	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RVOA	RV19A30AL (480LPM,7-210bar)		
СВСН	CB19A3CHL (3:1,70-280bar)		
CO20	CO19A3020N (480LPM,2.0bar)		
CC20	CC19A3020N (640LPM,2.0bar)		
The selection is only example Please refer to Winner			

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 \(\text{pressure} \cdot \)... etc.)







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.

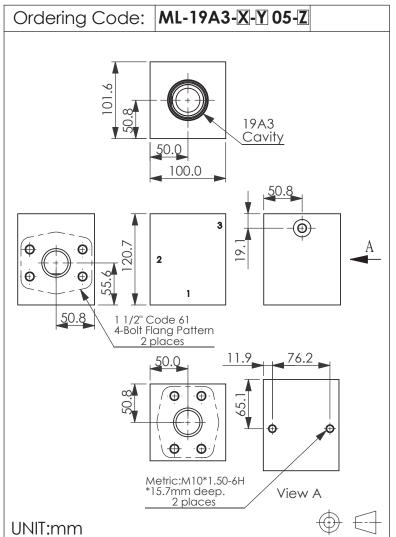
	PORT	SIZE	
PORTS	PORT	PORT	
1,2	3	G	
G 1-1/4"	G 1/4"	G 1/4"	
	1,2	PORTS PORT 1,2 3	

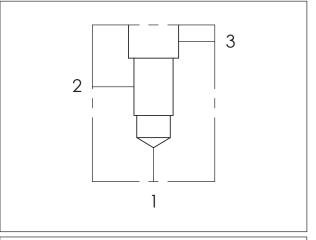
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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 maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)







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.

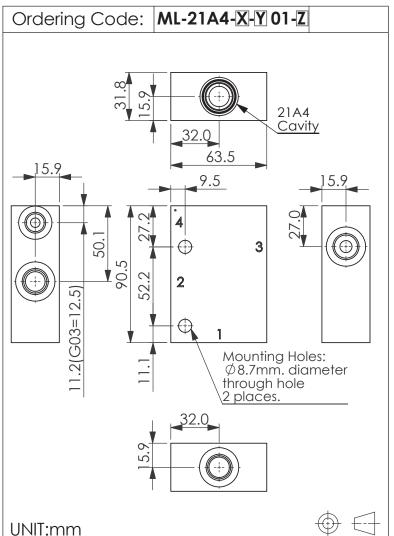
	PORT SIZE		
X	PORTS	PORT	
	1,2	3	
F30	1 1/2" Code 61 4-Bolt Flang Pattern	G 1/4"	

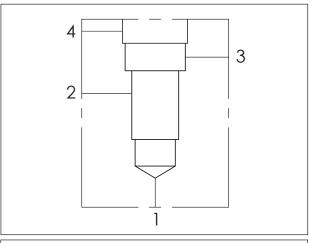
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION					
	WITHOUT VALVE					
RVOA	RV19A30AL (480LPM,7-210bar)					
СВСН	CB19A3CHL (3:1,70-280bar)					
CO20	CO19A3020N (480LPM,2.0bar)					
CC20	CC19A3020N (640LPM,2.0bar)					
The selection is only example. Please refer to Winner						

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.)







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.

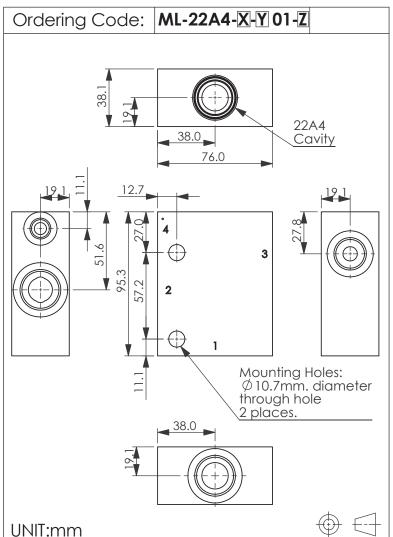
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	4	
G03	G 3/8"	G 3/8"	G 3/8"	
G03A	G 3/8"	G 3/8"	G 1/4"	
P03	3/8"PT	3/8"PT	3/8"PT	
S06	SAE 6	SAE 6	SAE 6	

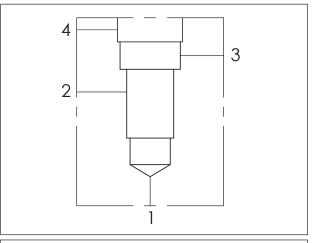
Υ	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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 maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)







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.

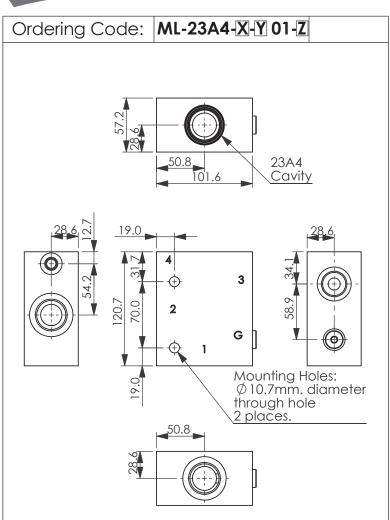
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	4	
G03A	G 3/8"	G 3/8"	G 1/4"	
G04A	G 1/2"	G 1/2"	G 1/4"	
G06CA	G 3/4"	G 1/2"	G 1/4"	
S08A	SAE 8	SAE 8	SAE 6	

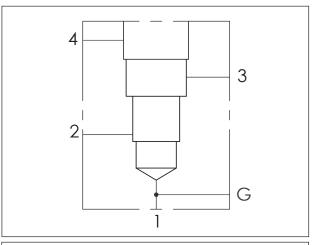
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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 maniflods assembly in accordance with request function (flow \(\text{pressure} \) \(\text{...} \) etc.)







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.

	PORT SIZE				
X	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
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

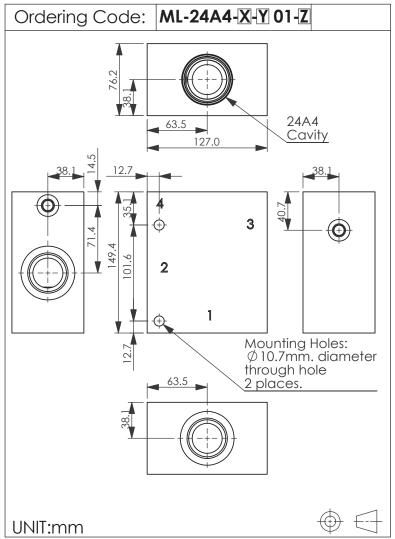
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
PV0A	PV23A40AL (160LPM,7-210bar)		

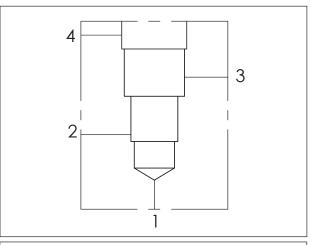
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.140411

UNIT:mm







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

Cavity:

Refer to 24A4

* Refer to Winner Cartridge Valves Catalog.

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

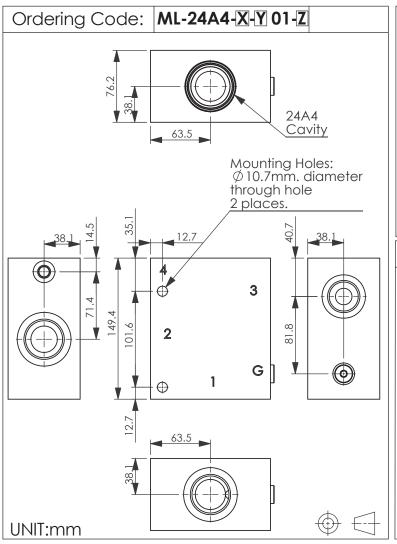
^{*} If you need the special specification. Pléase contact us.

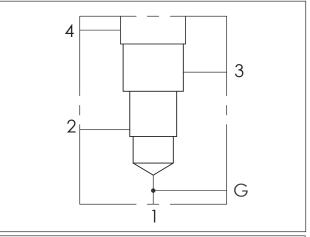
	PORT SIZE			
X	PORTS	PORTS		
	1,2	3,4		
G08A	G1"	G1/4"		
G10A	G1-1/4"	G1/4"		
\$16A	SAE 16	SAE 6		
S20A	SAE 20	SAE 6		

				T	
Y	BODY MATERIAL	Z		CARTRIDGE VALVES SE	ELECTION
Α	HIGH-STRENGTH ALUMINUM			WITHOUT VALVE	
S	DUCTILE IRON	CWA	Н	CW24A4AHL (1:1,70-280bar)	
		Cartri and m	The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request		

ase refer to Winner he appropriate valves lance with request function (flow \ pressure \ \ ... etc.)







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 3

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.

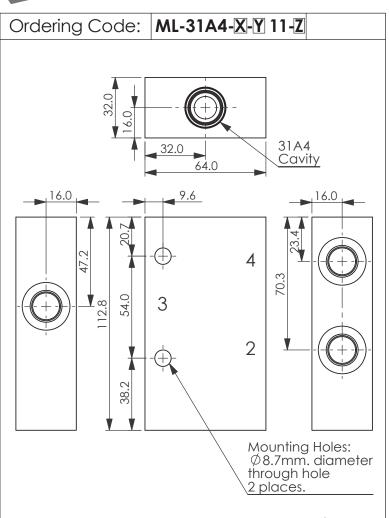
	PORT SIZE				
X	PORTS	PORT	PORT	PORT	
	1,2	3	4	G	
G08AG	G1"	G1"	G1/4"	G1/4"	
G10AG	G1-1/4"	G1"	G1/4"	G1/4"	

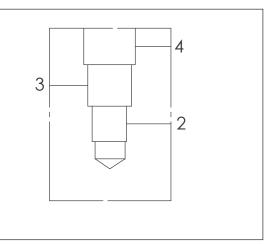
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
PV0A	PV24A40AL (320LPM,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.)







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	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"		

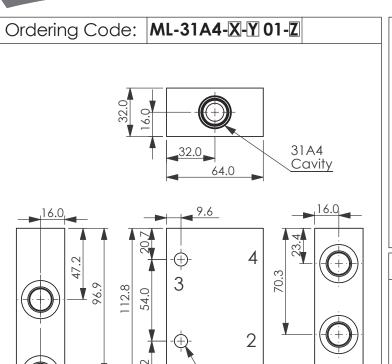
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

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

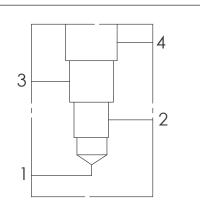
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

UNIT:mm





38.



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Mounting Holes: \emptyset 8.7mm. diameter through hole

2 plačes.

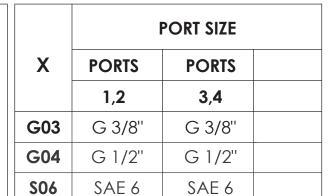
Refer to 31A4

* 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.



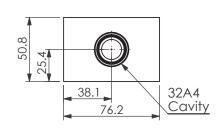


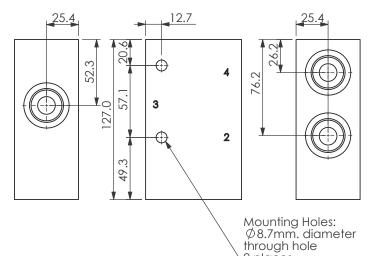
	BODY MATERIAL	
1	HIGH-STRENGTH ALUMINUM	
3	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	









2 places.

3 2

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.

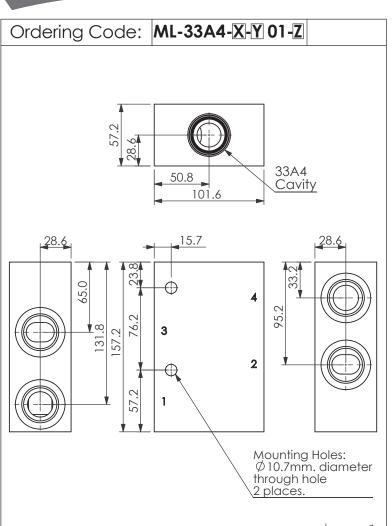
UNIT:mm

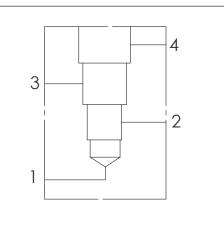
	PORT SIZE		
X	PORT	PORTS	
	3	2,4	
G06	G 3/4"	G 3/4"	

Υ	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SI	ELECTION
	WITHOUT VALVE	
	Z	







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	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	

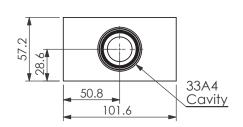
UNIT:mm

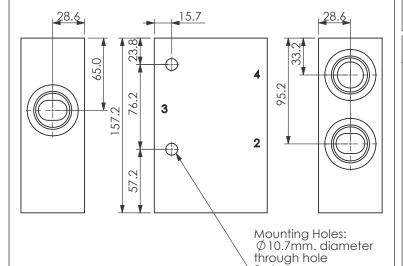


UNIT:mm

LINE MOUNT BODIES

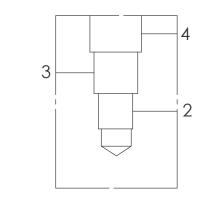
Ordering Code: ML-33A4-X-Y 11-Z





2 places.

€--



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.

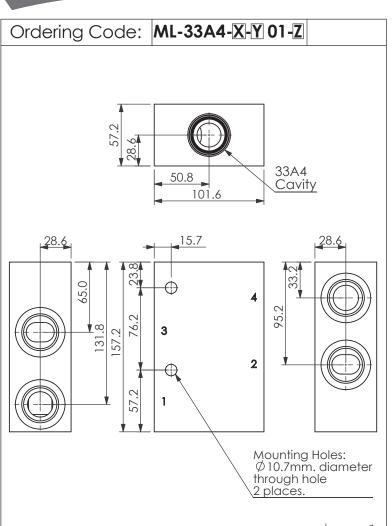
	ı	PORT SIZE	
X	PORT	PORTS	
	3	2,4	
G08	G 1"	G 1"	

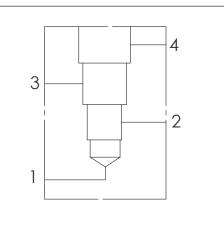
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

Rev.120711 M.33A.301







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.

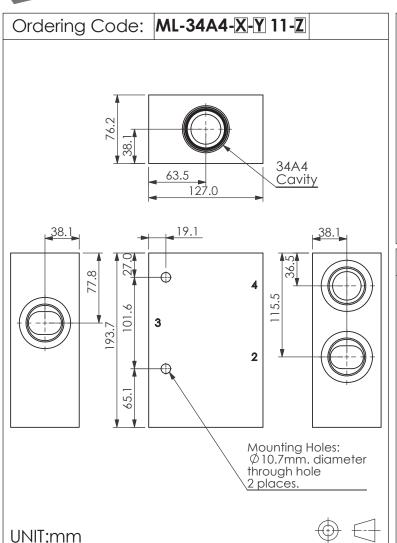
		PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G08	G 1"	G 1"	

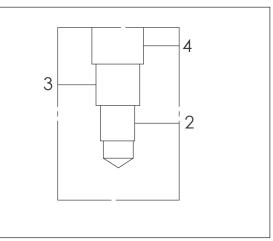
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

UNIT:mm







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)

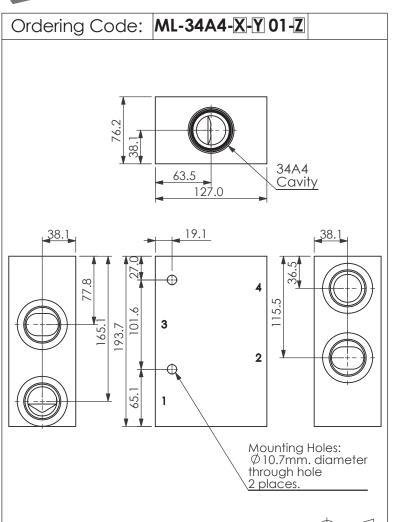
^{*} If you need the special specification. Please contact us.

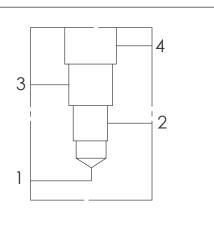
	I	PORT SIZE	
X	PORT	PORTS	
	3	2,4	
G10	G 1-1/4"	G 1-1/4"	

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
	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	PORTS	
	1,2	3,4	
G10	G 1-1/4"	G 1-1/4"	

Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

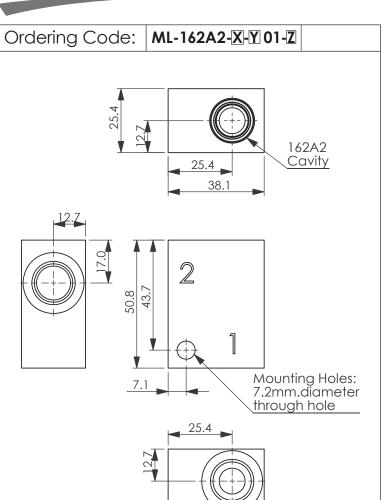
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

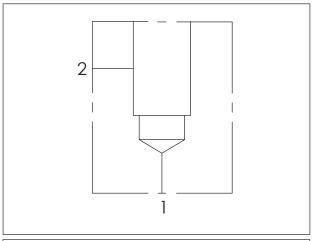
UNIT:mm



UNIT:mm

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

^{*} If you need the special specification. Please contact us.

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

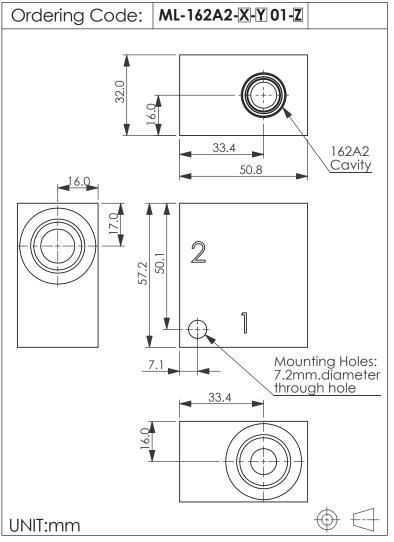
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

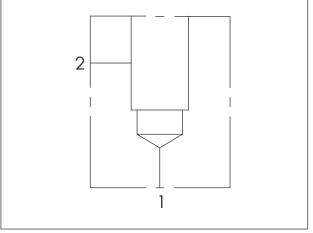
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		



350 bar

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

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.

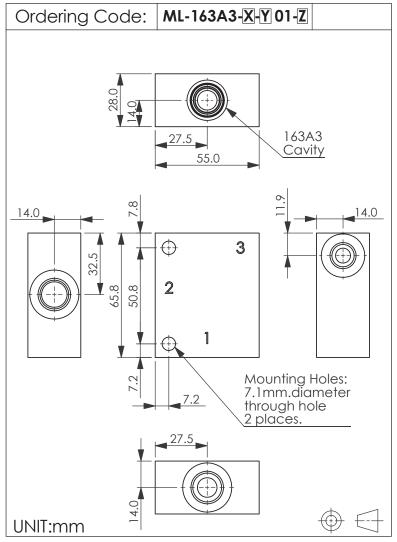
	ı	PORT SIZE	
X	PORT	PORT	
	1	2	
G04	G1/2"	G1/2"	

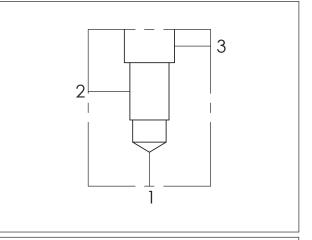
Υ	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		



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.

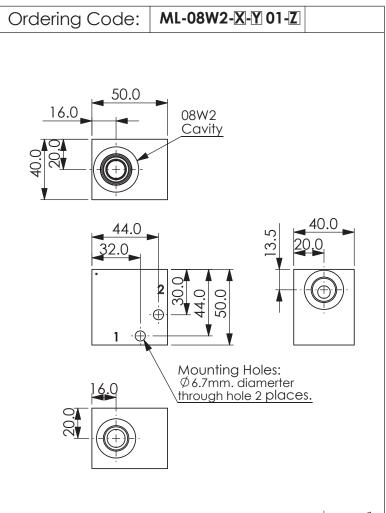
	PORT SIZE		
X	PORTS	PORT	
	1,2	3	
G03A	G 3/8"	G 1/4"	
S06	SAE 6	SAE 6	
		'	

Υ	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.140522 M.163A.301





PORT SIZE

PORT

2

G 3/8"

1/4"PT

3/8"PT

SAE 6

	Al
	Di
	* If
	

2

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.

Y	BODY MATERIAL		
A	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RDOA	RD08W20AL(20LPM,80-210bar)		
CV03	CV08W2003N (30LPM,0.3bar)		
NVON	NV08W20NL (350bar)		
NC0N	NC08W20NL (350bar)		
EPO1	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 maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

Rev.150407

UNIT:mm

PORT

1

G 3/8"

1/4"PT

3/8"PT

SAE 6

X

G03

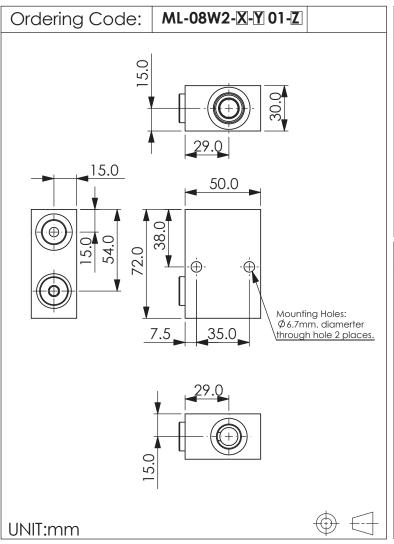
P02

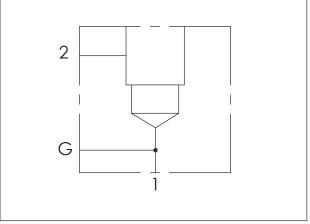
P03

S06



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	0.25 kg(WITHOUT VALVES)

^{*} If you need the special specification. Please contact us.

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Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

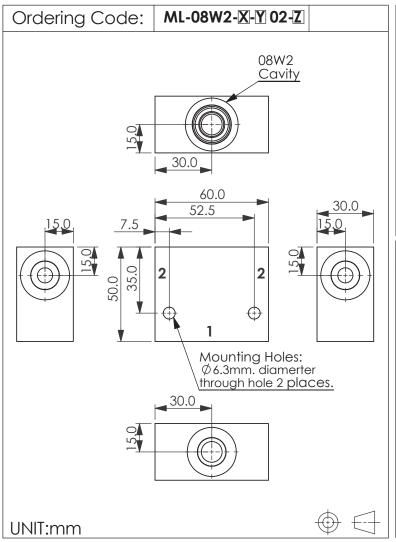
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	G	
G03G	G 3/8"	G 1/4"	

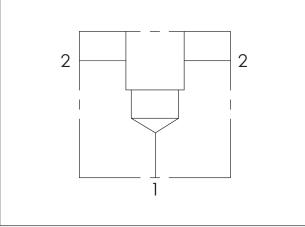
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RDOA	RD08W20AL(20LPM,80-210bar)		
CV03	CV08W2003N (30LPM,0.3bar)		
NVON	NV08W20NL (350bar)		
NC0N	NC08W20NL (350bar)		
EPO1	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)		
COIL	ATELY		

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-汉-[]

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.)







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.

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

Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

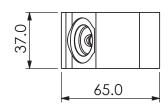
Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
RD0A	RD08W20AL(20LPM,80-210bar)			
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)			
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)			

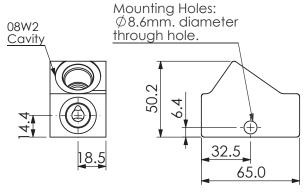
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

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









2 _______

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.

UNIT:mm





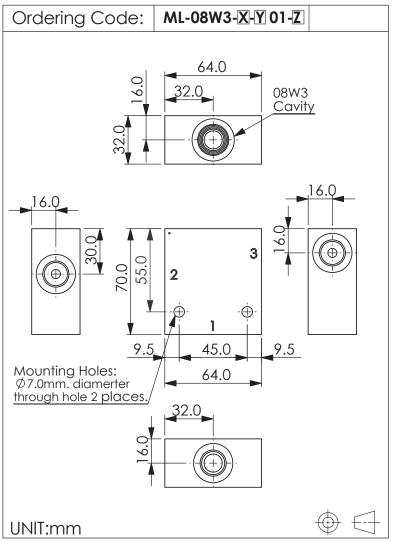
		PORT SIZE					
PORT	PORT						
1	2						
G 3/8"	G 3/8"						
	1	1 2					

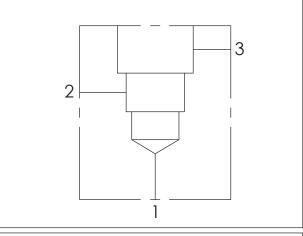
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

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-1/4Z)







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.

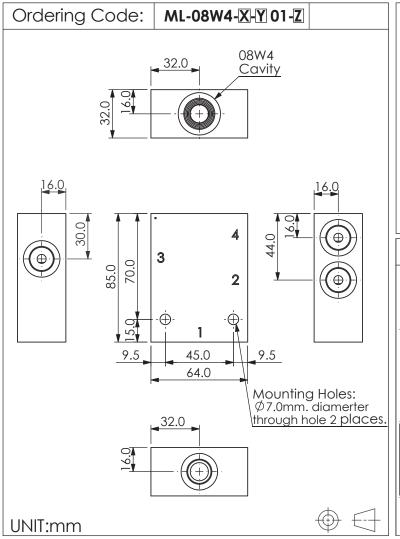
	PORT SIZE					
X	PORTS	PORT				
	1,2	3				
G03	G 3/8"	G 3/8"				
\$06	SAE 6	SAE 6				

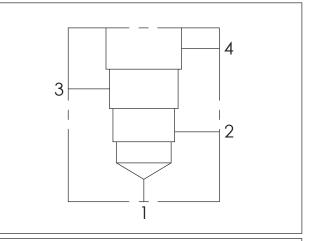
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

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 maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







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.

	PORT SIZE		
X	PORTS	PORT	
	1,2,3	4	
G03	G 3/8"	G 3/8"	
\$06	SAE 6	SAE 6	
S06	SAE 6	SAE 6	

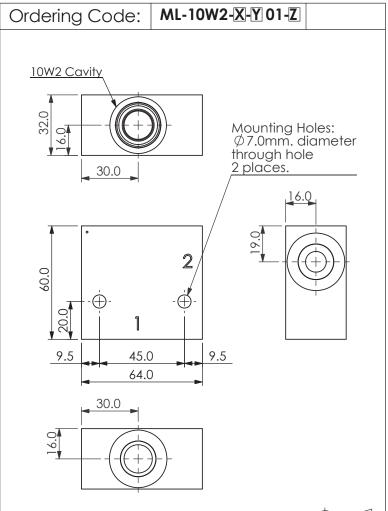
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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

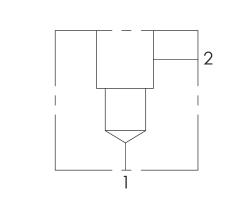
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W- \mathbb{Z} - \mathbb{Z} -)

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 place).





	PORT SIZE		
X	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	
P03	3/8"PT	3/8"PT	
P04	1/2"PT	1/2"PT	
\$06	SAE 6	SAE 6	



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.

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

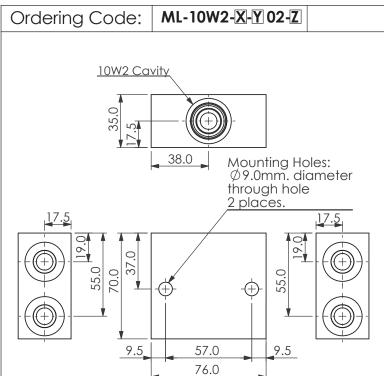
Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RPOA	RP10W20AL(95LPM,7-210bar)	
CR0A	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NVON	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY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

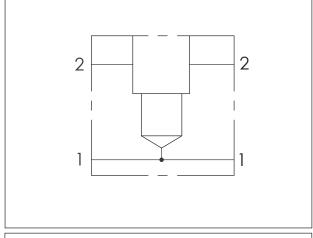
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

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

UNIT:mm







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.

UNIT:mm



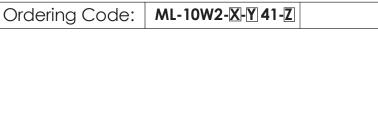


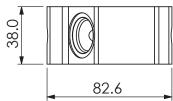
X	PORT SIZE		
	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

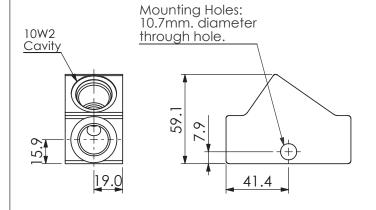
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

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



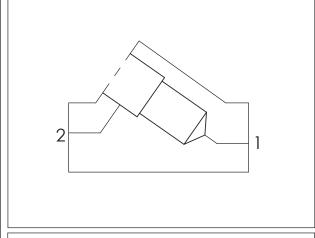






UNIT:mm





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.

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

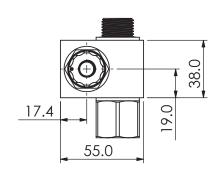
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP10W20AL(95LPM,7-210bar)		
CROA	CR10W20AL (60LPM,240bar)		
CV03	CV10W2003N (0.3bar)		
NVON	NV10W20NL (350bar)		
FR18	FR10W2018N (1.8LPM,240bar)		
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)		
0011			

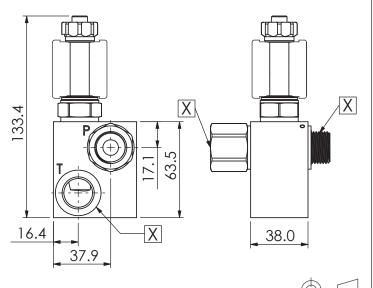
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

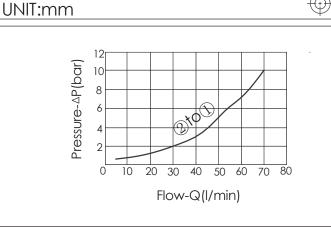
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		











Υ	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

(Poppet 2-Way Normally -Open Cartridge Style)	(Poppet 2-Way Normally -Closed Cartridge Style)
X=EP02(P)	X=EP01(M)
PI 2 P	P P P

TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 70 I/min

Cartridge Valve: Refer to EP10W-XI-YI-ZI

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.44 kg(WITHOUT VALVES) 0.60 kg(INCLUDE VALVES ,WITHOUT COILS)

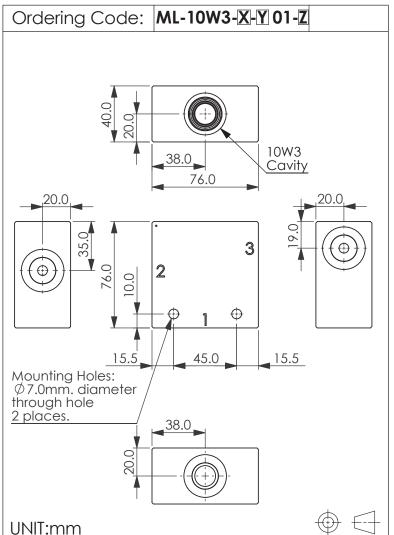
* If you need the special specification. Please contact us.

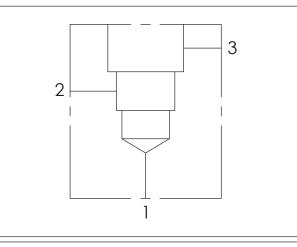
	I	PORT SIZE	
X	PORT	PORT	
	Р	T	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

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)		
EPO2P	EP10W2A02P05 , 70LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)		

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-卧记)







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(W	ITHOUT VALVES)
Ductile Iron	1.52 kg(W	ITHOUT VALVES)

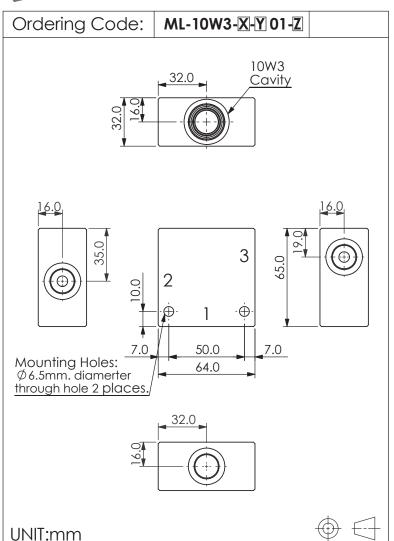
^{*} If you need the special specification. Please contact us.

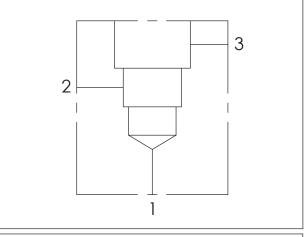
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G04	G 1/2"	G 1/2"	
S08	SAE 8	SAE 8	
S10	SAE 10	SAE 10	

Y	BODY MATERIAL	Z	CARTRIDG	E VALVES SE	LECTION
Α	HIGH-STRENGTH ALUMINUM		WITHOUT	VALVE	
S	DUCTILE IRON	FR1L	FR10W31NL(13	BLPM,240bar)	
		FR3L	FR10W33NL(38	BLPM,240bar)	
		T I I		1 01 (
		Cartridge	ction is only exam Program and to	select the approp	riate valves

Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)







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)

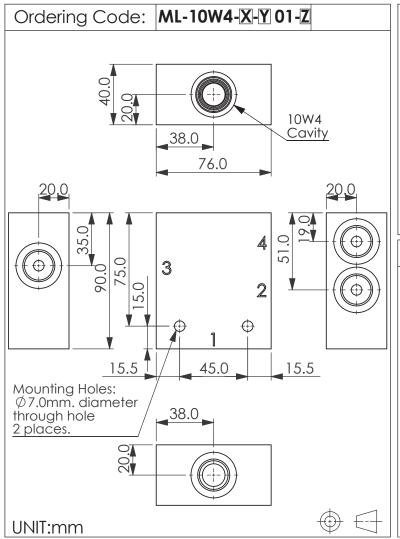
^{*} If you need the special specification. Please contact us.

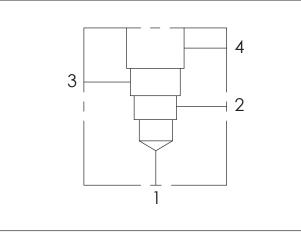
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G03	G 3/8"	G 3/8"	
P03	3/8" PT	3/8" PT	
S06	SAE 6	SAE 6	

Y	BODY MATERIAL	Z
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	FR1
		FR3
		The se Cartric and m

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







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)	0.61	
Ductile Iron	1.76 kg(WITHOUT VALVES)	1.76	

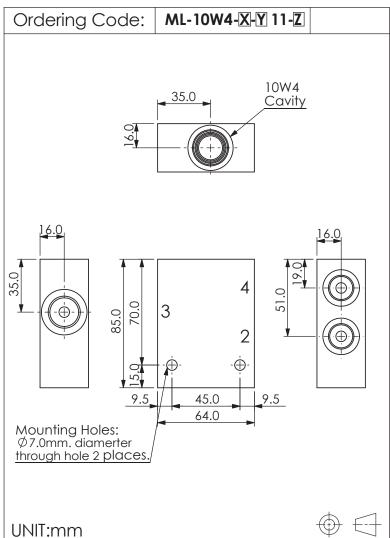
^{*} If you need the special specification. Please contact us.

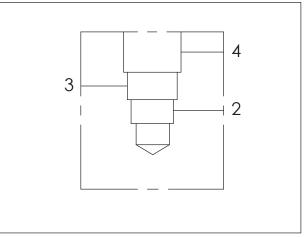
		PORT SIZE	
X	PORTS	PORT	
	1,2,3	4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION	N
	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)	







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)	

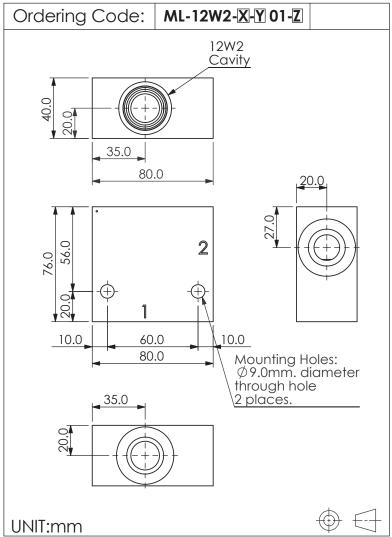
^{*} If you need the special specification. Please contact us.

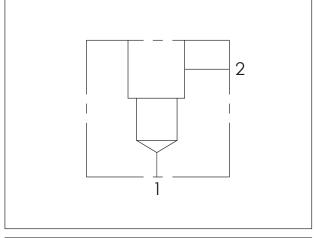
	PORT SIZE			
X	PORT	PORTS		
	3	2,4		
G03	G 3/8"	G 3/8"		
G04	G 1/2"	G 3/8"		

BODY MATERIAL
IGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SE	ELECTION
	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		







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	
808	SAE 8	SAE 8	
\$10	SAE 10	SAE 10	

BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

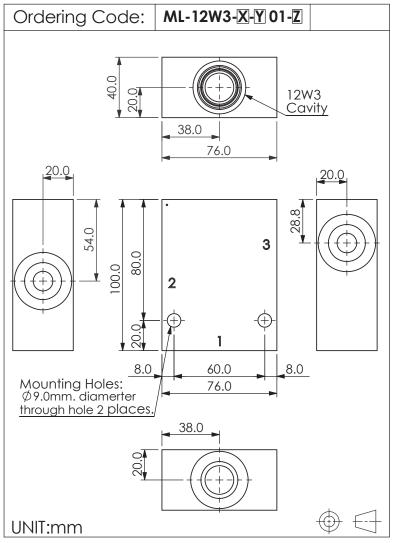
Z	CARTRIDGE VALVES SELECTION	
WITHOUT VALVE		
CV03	CV12W2003N (90LPM,0.3bar)	
NVON NV12W20NL (350bar) EP01 EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

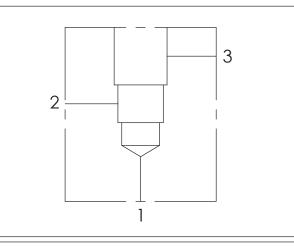
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-汉中国)



350 bar

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

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.

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

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

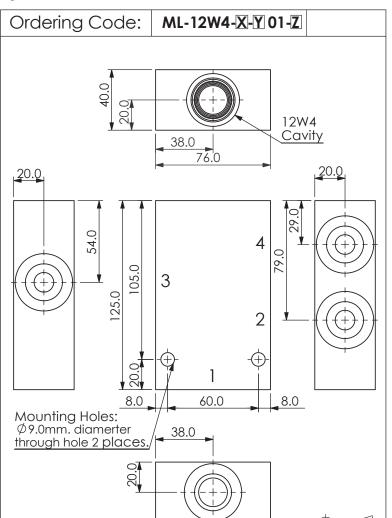
Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	

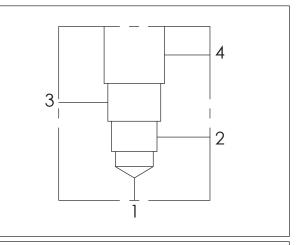
Rev.120116 M.12W.301



UNIT:mm

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.

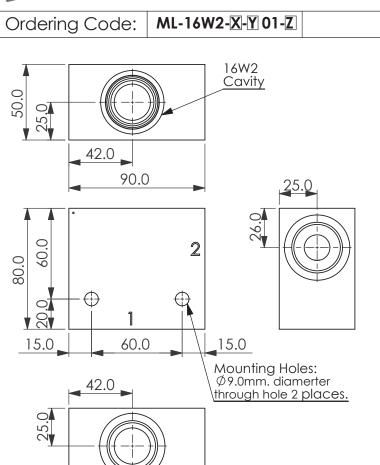
X	F	PORT SIZE	
	PORTS	PORT	
	1,2,3	4	
G06	G 3/4"	G 3/4"	

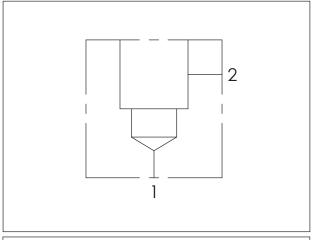
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.12W.401







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.

	PORT SIZE			
X	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		
\$16 SAE 16 SA		SAE 16		

Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

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

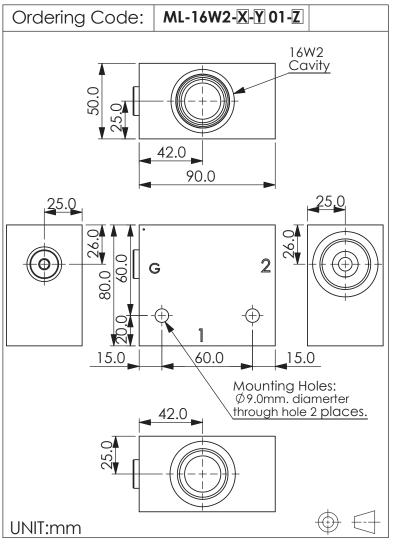
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-17-17)

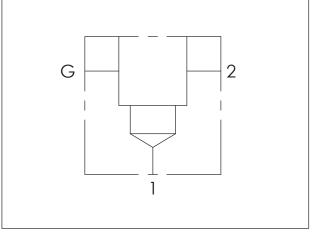
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \(\) pressure \(\) ... etc.)

Rev.150407

UNIT:mm







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.

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

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
CV03	3 CV16W2003N (90LPM , 240bar)			
NV0N	VON NV16W20NL (350bar)			
EP01 EP16W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)				
EP02	EP16W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)			
I				

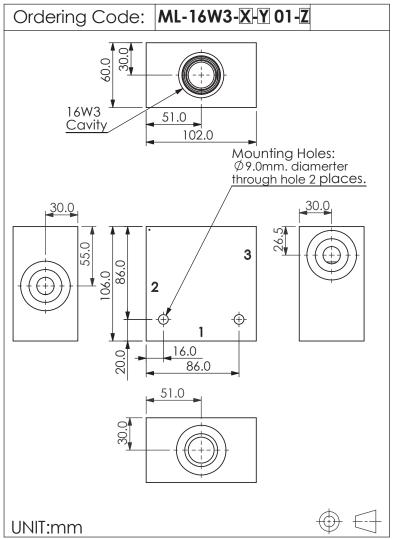
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-🖫 []-]

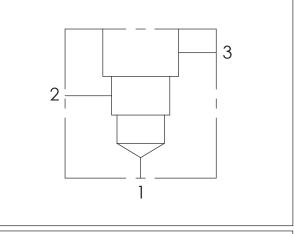
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

Y	BODY MATERIAL				
Α	HIGH-STRENGTH ALUMINUM				









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.

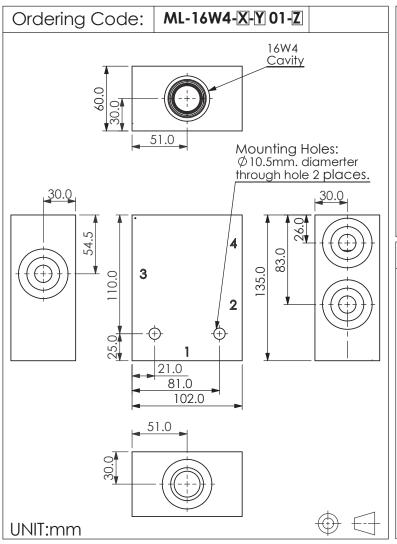
Aluminum	1.4 kg(WITHOUT VALVES)

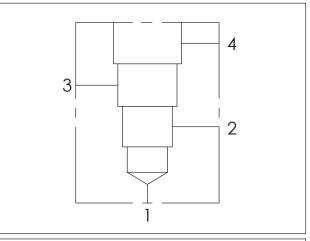
^{*} If you need the special specification. Please contact us.

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

Y	BODY MATERIAL		CARTRIDGE VALVES SELECTION
Α	HIGH-STRENGTH ALUMINUM		WITHOUT VALVE







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)

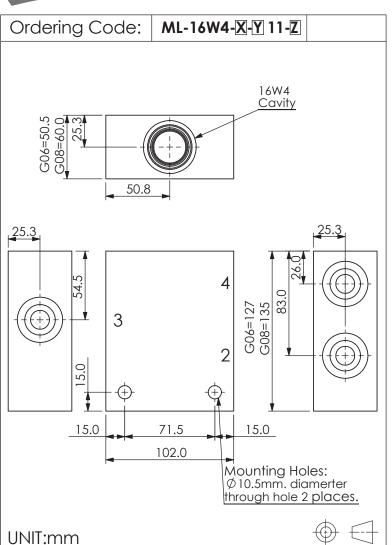
^{*} If you need the special specification. Please contact us.

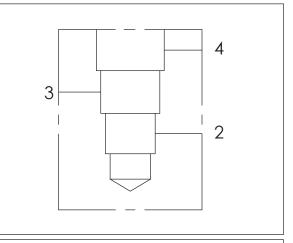
	PORT SIZE		
X	PORTS	PORT	
	1,2,3	4	
G08	G 1"	G 1"	

BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SI	ELECTION
	WITHOUT VALVE	







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.

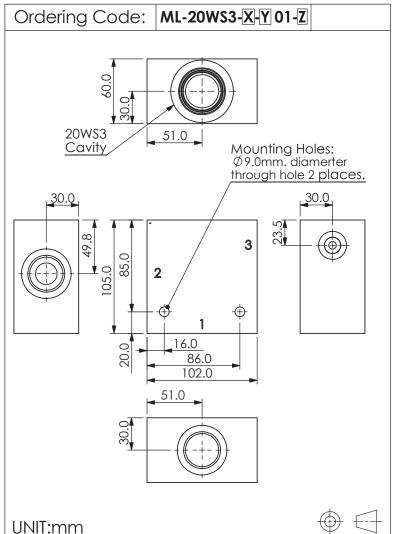
PORT SIZE		
PORTS	PORT	
2,3	4	
G 3/4"	G 3/4"	
G 1"	G 1"	
	PORTS 2,3 G 3/4"	PORTS PORT 2,3 4 G 3/4" G 3/4"

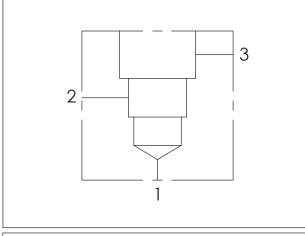
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

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 maniflods assembly in accordance with request function (flow \(\) pressure \(\) ... etc.)







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)

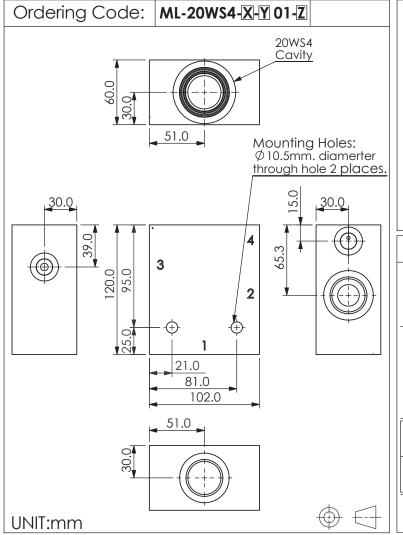
^{*} If you need the special specification. Please contact us.

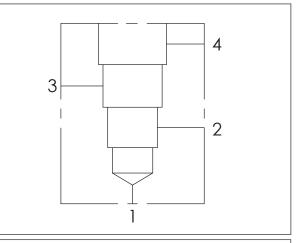
		PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G08A	G 1"	G 3/8"	

Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SI	ELECTION
	WITHOUT VALVE	







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.

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

Y BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM	

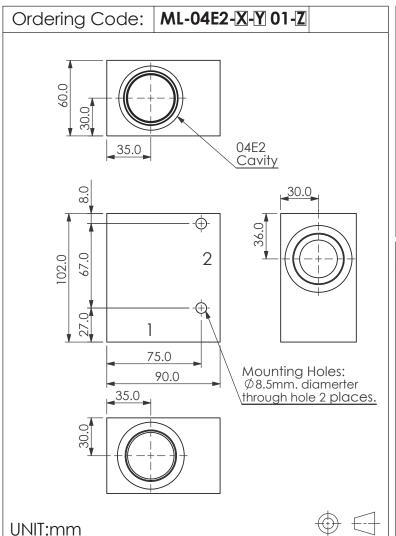
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

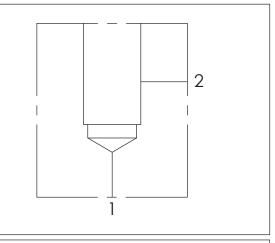
Rev.130307 M.20WS.401



350 bar

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

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.

Y	BODY MATERIAL	

HIGH-STRENGTH ALUMINUM

DUCTILE IRON

PORT SIZE		PORT SIZE	
X	PORT	PORT	
	1	2	
G08	G 1"	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)		
COUNTIES OF OPPEDED CEDADATELY			

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 \(\cdot \) pressure \(\cdot \) ... etc.)

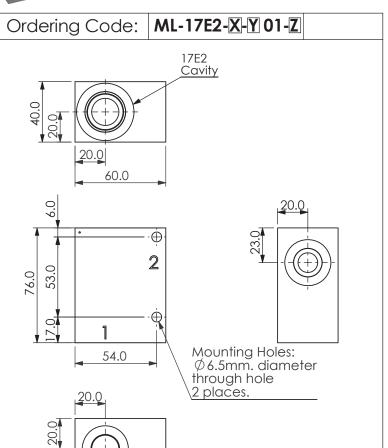
A

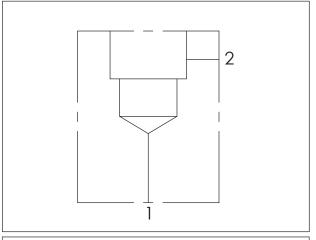
S



350 bar

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

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.

	PORT SIZE			
X	PORT	PORT		
	1	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		

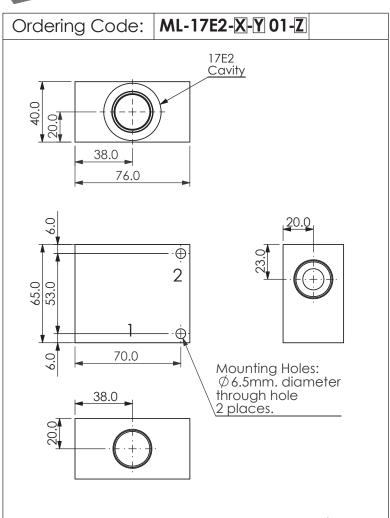
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

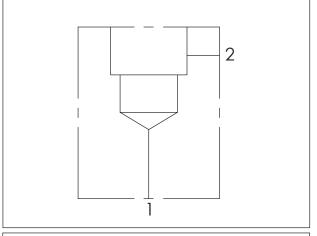
Z	Z CARTRIDGE VALVES SELECTION		
WITHOUT VALVE			
CV03	CV03 CV17E2203N(60LPM,0.3bar)		
NVON	NV17E20NL(350bar)		
EP01	EP17E2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02 EP17E2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)			
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-17-12)			

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.)

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	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
CV03	CV17E2203N(60LPM,0.3bar)			
NVON	NV17E20NL(350bar)			
EP01	EP17E2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)			
EP02	EP17E2A02N05 , 70LPM,350bar (NORMALLY OPEN,WITHOUT COIL)			
COI	MIST BE ORDERED SEPA	RATFLY		

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-4-7)

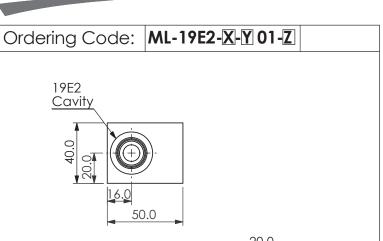
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.150121

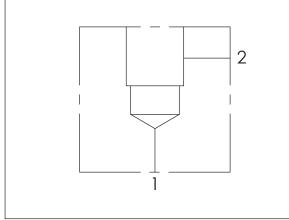
UNIT:mm



LINE MOUNT BODIES



2



TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

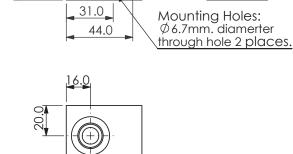
Cavity:

Refer to 19E2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22 kg(WITHOUT VALVES)

^{*} If you need the special specification. Pléase contact us.



44.0

UNIT:mm





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

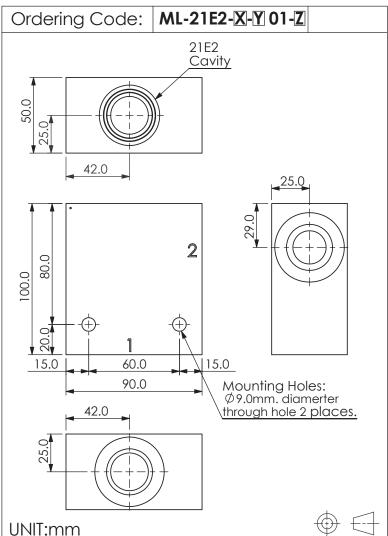
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

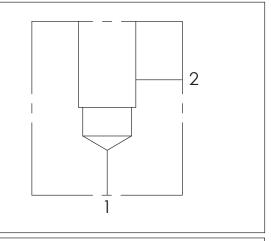
Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
EP11	EP19E2A11N05, 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)			
EP12	EP19E2A12N05, 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)			
EP11M	EP19E2A11M05, 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)			
EP12P	EP19E2A12P05, 40LPM,350bar(NORMALLY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

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 maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)







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.

HIGH-STRENGTH ALUMINUM

DUCTILE IRON

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

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
CV10	CV21E2210N(100LPM,1.0bar)			
NVON	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-🖫 🖳

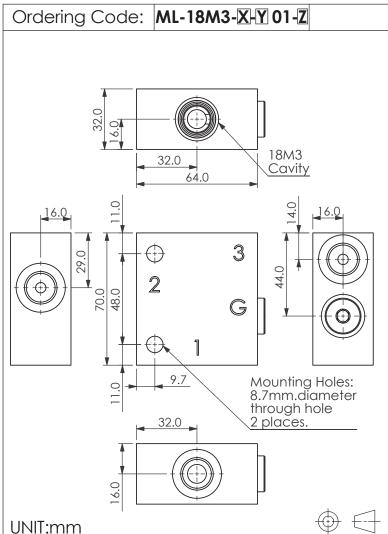
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

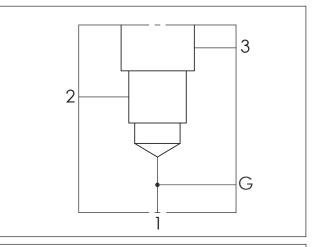
Rev.130130

A

S







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.

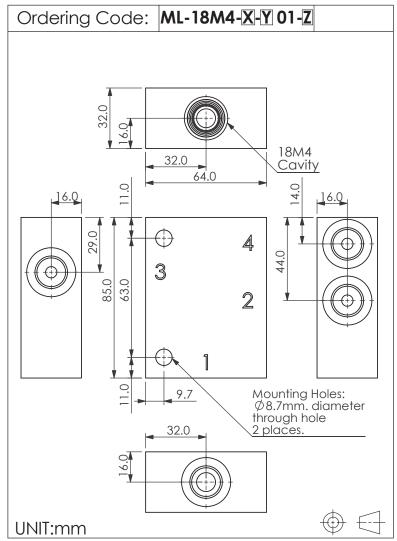
		PORT	SIZE	
X	PORTS	PORT	PORT	
	1,2	3	G	
G03G	G 3/8"	G 3/8"	G 1/4"	

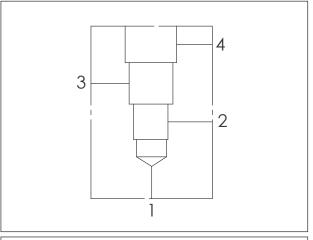
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SI	ELECTION
	WITHOUT VALVE	

Rev.120117 M.18M.301







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.

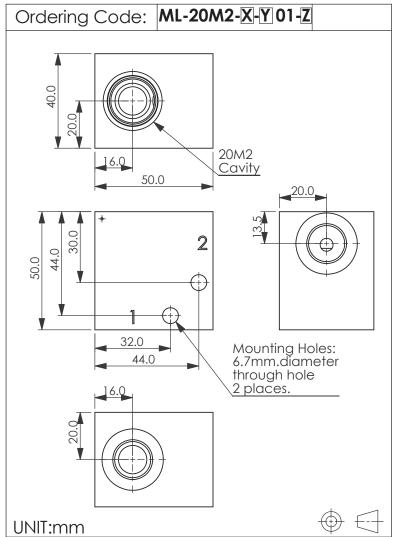
		PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G03	G 3/8"	G 3/8"	

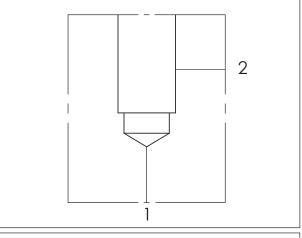
S DUCTUE IRON	S DUCTILE IRON	S DUCTILE IRON	UM	HIGH-STRENGTH ALUN	MUM
3 BOCHEL IKON				DUCTILE IRON	

Z	CARTRIDGE VALVES SI	ELECTION
	WITHOUT VALVE	

M.18M.401







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.

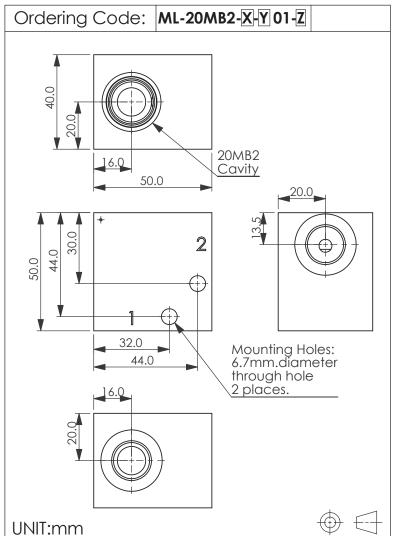
		PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

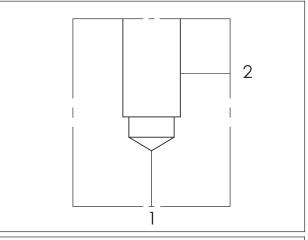
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	

Rev.120717 M.20M.201







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)

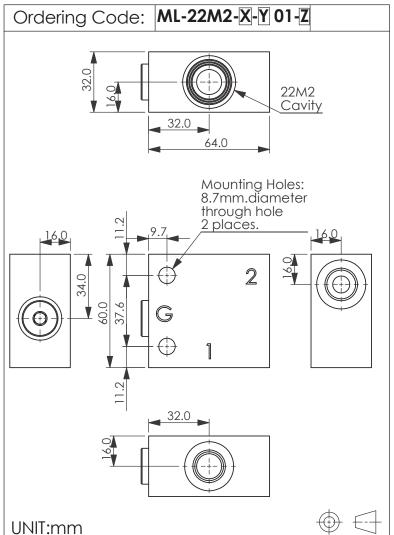
^{*} If you need the special specification. Please contact us.

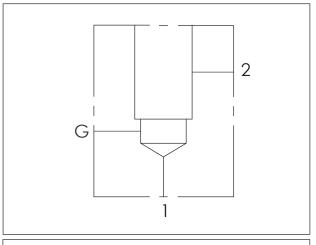
	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		







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)

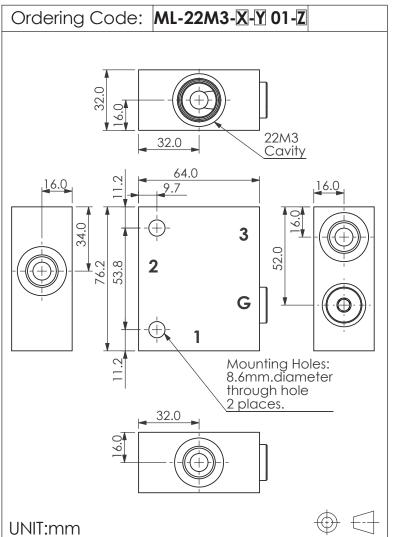
^{*} If you need the special specification. Please contact us.

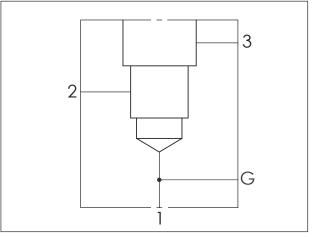
	PORT SIZE		
X	PORTS	PORT	
	1,2	G	
G03G	G 3/8"	G 1/4"	

Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		







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.

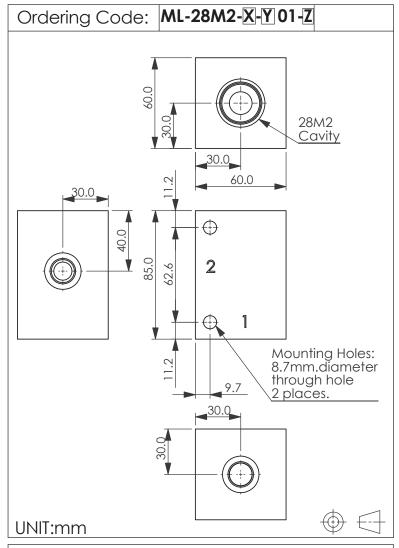
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G03G	G 3/8"	G 3/8"	G 1/4"	

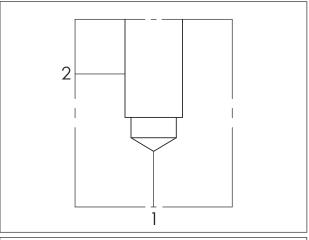
Υ	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

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 maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







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"	

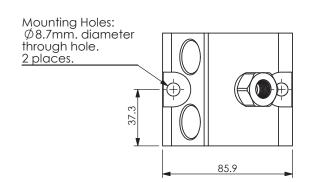
Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

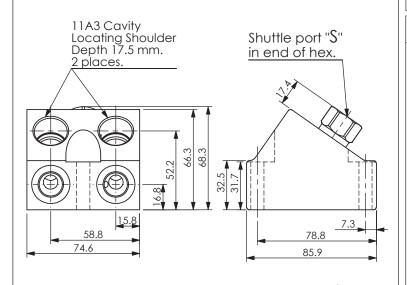
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

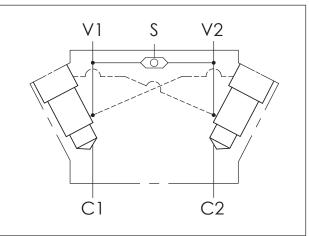
Rev.120117 M.28M.201



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







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)

^{*} If you need the special specification. Please contact us.

Free Flow or Piloted Open Pressure Drop 30 25 25 10 15 10 15 10 Flow-Q(I/min)

UNIT:mm

Υ	CARTRIDGE VALVES SELECTI	ON	
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 maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

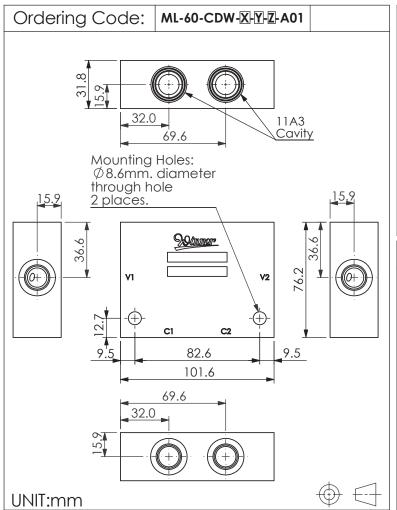
CARTRIDGE VALVES SELECTION	
WITHOUT VALVE	
CB11A30JL, 10:1, 350bar	
CB11A34JL , 4.5:1 , 350bar	
	WITHOUT VALVE CB11A30JL, 10:1, 350bar

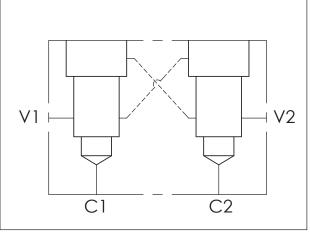
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \(\) pressure \(\) ... etc.)

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

Rev.120117 N.CDK.101







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)

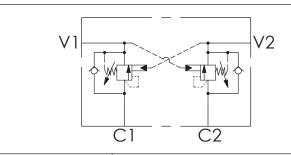
* If you need the special specification. Please contact us.

	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	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	
808	SAE 8	SAE 8	

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

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

HYDRAULIC CIRCUITS (WITH VALVES)



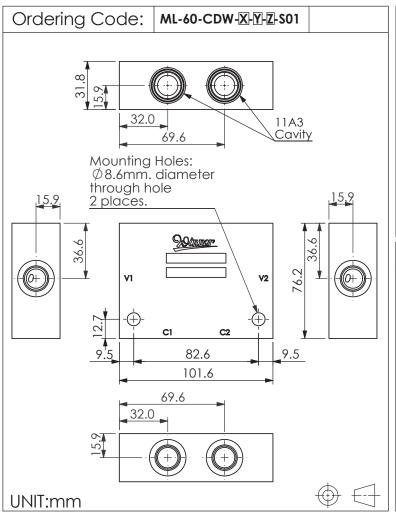
V1 V2	
C1 - C2	

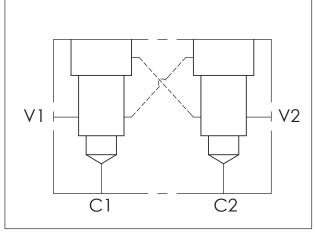
Ordering Code: ML-60-CDW-CB3H-CB3H-A01 Ordering Code: ML-60-CDW-CO20-CO20-A01



350 bar

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

Cavity:

Refer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	2.11	kg(WITHOUT VALVES)

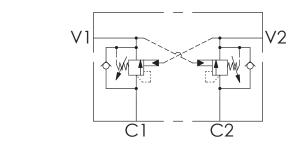
* If you need the special specification. Please contact us.

	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	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	
\$06	SAE 6	SAE 6	
808	SAE 8	SAE 8	

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

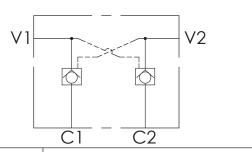
Y	SELECTION FOR V2 PORT CONTROL		
11A3	CAVITY ONLY (WITHOUT VALVE)		
CB3H CB11A33HL (3:1, 280bar)			
CO20 CO11A3020N (2.0bar)			

HYDRAULIC CIRCUITS (WITH VALVES)



Rev.150417

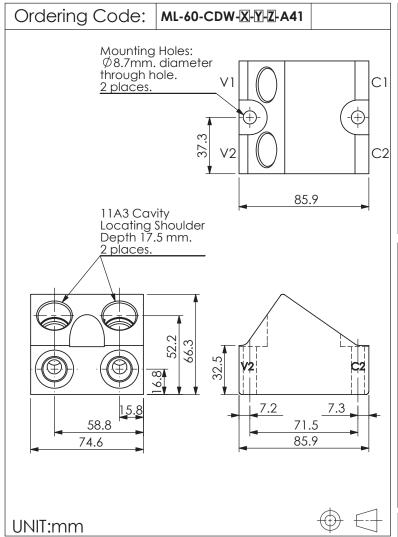
	CI	CZ
Ordering Code:	ML-60-CDV	V-CB3H-CB3H-S01

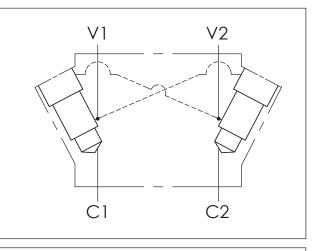


Ordering Code: ML-60-CDW-CO20-CO20-S01

N.CDW.102







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Réfer 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 CONT	ROL
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (2.0bar)	
The colection is only example Please refer to Winner		

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.)

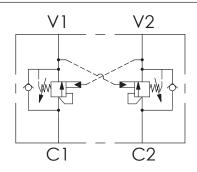
X	SELECTION FOR V1 PORT CONTROL	
11A3 CAVITY ONLY (WITHOUT VALVE)		
СВЗН	CB11A33HL (3:1, 280bar)	
CO20 CO11A3020N (2.0bar)		

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

V2

V1

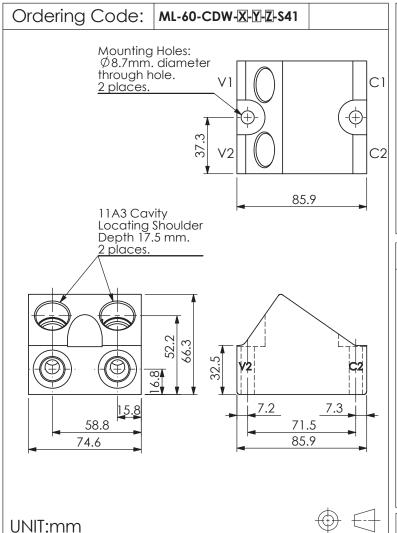
HYDRAULIC CIRCUITS (WITH VALVES)



C1 C2

Ordering Code: ML-60-CDW-CB3H-CB3H-A41 Ordering Code: ML-60-CDW-CO20-CO20-A41





V ₁	V2
C1	C2

TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

Cavity:

Réfer to 11A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	1.90 kg(WITHOUT VALVES)

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

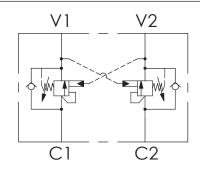
Y SELECTION FOR V2 PORT CONTROL		ROL	
11A3	CAVITY ONLY (WITHOUT VALVE)		
СВЗН	CB11A33HL (3:1 , 280bar)		
CO20	CO11A3020N (2.0bar)		
The selection is only example Please refer to Winner			

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

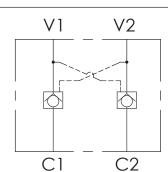
X	SELECTION FOR V1 PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H	CB11A33HL (3:1, 280bar)	
CO20	CO11A3020N (2.0bar)	

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

HYDRAULIC CIRCUITS (WITH VALVES)



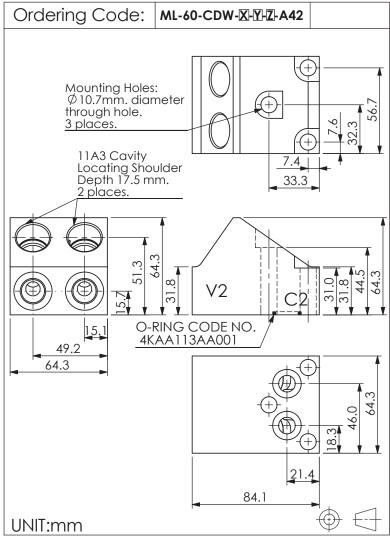
Rev.130410



Ordering Code: ML-60-CDW-CB3H-CB3H-S41 Ordering Code: ML-60-CDW-CO20-CO20-S41

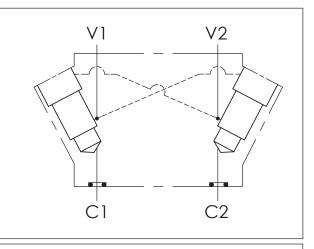
N.CDW.104





UNIT:m	nm	
Υ	SELECTION FOR V2 PORT CONT	ROL
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	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 maniflods assembly in accordance with request function (flow > pressure > ... etc.)



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.

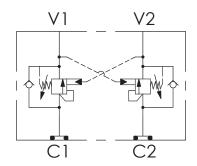
Aluminum	0.52 kg(WITHOUT VALVES)

^{*} If you need the special specification. Please contact us.

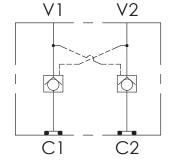
X	SELECTION FOR V1 PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB11A33HL (3:1, 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CO20	CO11A3020N (2.0bar)	

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

HYDRAULIC CIRCUITS (WITH VALVES)

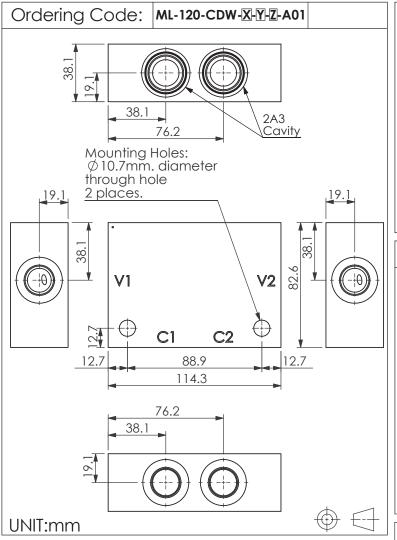


Ordering Code: ML-60-CDW-CB3H-CB3H-A42



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





V1 V2 C2

TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Réfer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT VALVES)

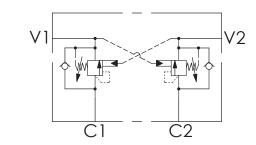
* If you need the special specification. Please contact us.

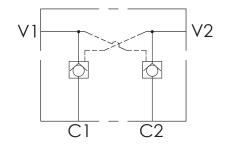
	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
\$10	SAE 10	SAE 10	
S12	SAE 12	SAE 12	

X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	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)

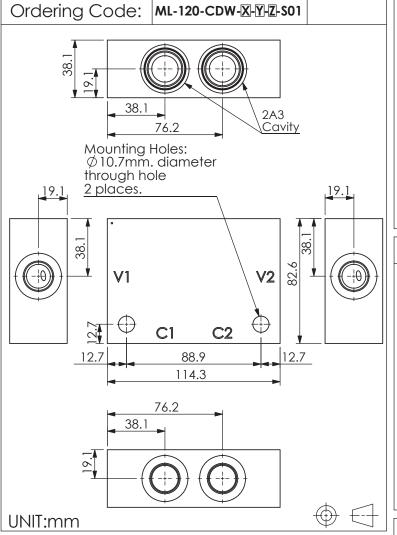




Ordering Code: ML-120-CDW-CB3H-CB3H-A01 Ordering Code: ML-120-CDW-CO20-CO20-A01

Rev.150417 N.CDW.201





V1 V2 C2	
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TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Réfer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	2.21	kg(WITHOUT VALVES)

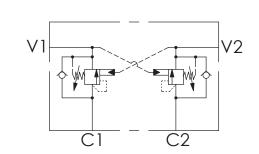
^{*} If you need the special specification. Please contact us.

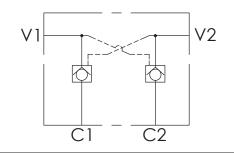
	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
\$10	SAE 10	SAE 10	
S12	SAE 12	SAE 12	

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

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

HYDRAULIC CIRCUITS (WITH VALVES)

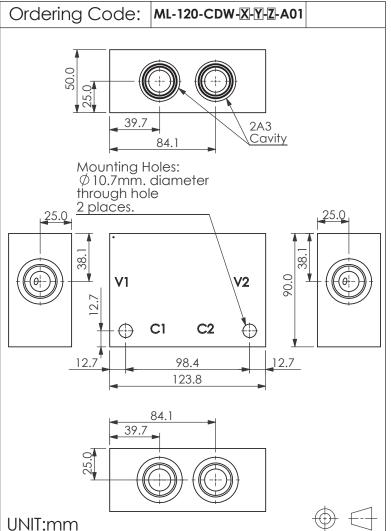




Ordering Code: ML-120-CDW-CB3H-CB3H-S01 Ordering

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





V1 V2 C1 C2

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.

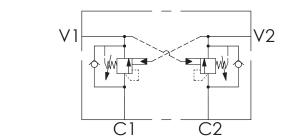
Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

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

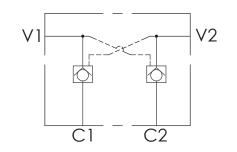
X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

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

HYDRAULIC CIRCUITS (WITH VALVES)

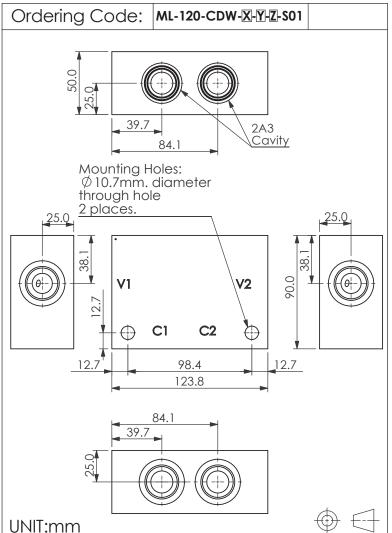


Ordering Code:	ML-120-CDW-CB3H-CB3H-A01



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





V1 V2 C2

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. Pléase contact us.

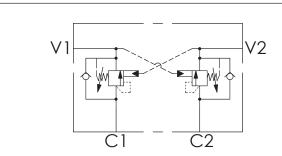
Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1, 280bar)	
CO20	CO2A3020N (2.0bar)	

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

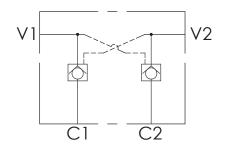
X	SELECTION FOR V1 PORT CONTROL	
2A3	A3 CAVITY ONLY(WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20 CO2A3020N (2.0bar)		

PORT SIZE			
Z	PORTS	PORTS	
	V1,V2	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



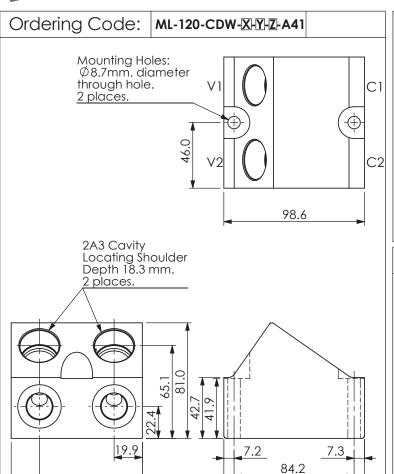
72.2

92.0

UNIT:mm

Rev.130410

STANDARD MANIFOLD LINE MOUNT BODIES



V1	V2
C1	C2

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	Y SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H CB2A33HL (3:1, 280bar)		
CO20 CO2A3020N (2.0bar)		
The colortion is only even all Discount of the Mission		

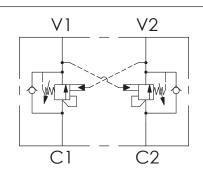
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

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

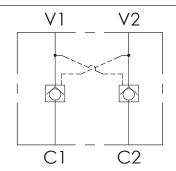
	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	

HYDRAULIC CIRCUITS (WITH VALVES)

98.6

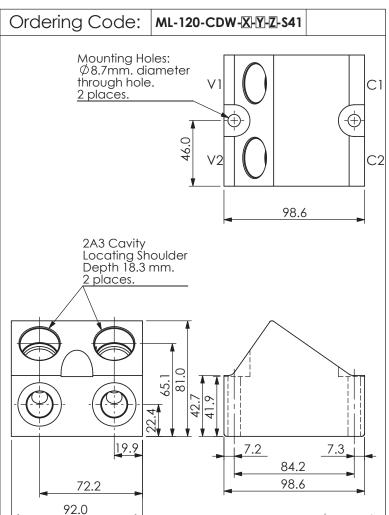


Ordering Code: ML-120-CDW-CB3H-CB3H-A41



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





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TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Cavity:

Réfer to 2A3

* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	3.45 kg(WITHOUT VALVES)

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

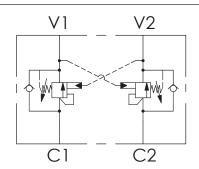
Υ	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

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

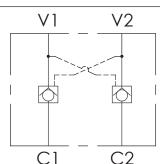
X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H	CB2A33HL (3:1, 280bar)	
CO20	CO2A3020N (2.0bar)	

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

HYDRAULIC CIRCUITS (WITH VALVES)



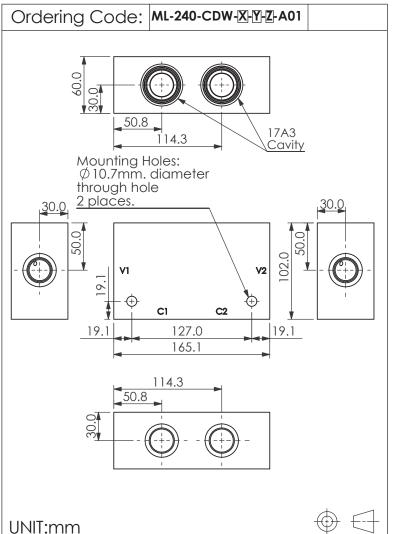
Ordering Code: ML-120-CDW-CB3H-CB3H-S41



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

UNIT:mm





V1 V2 C2

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)

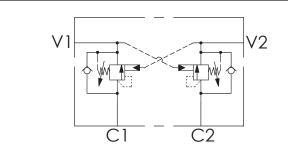
* If you need the special specification. Please contact us.

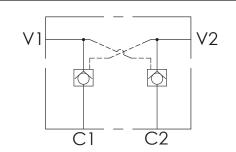
	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G06	G 3/4"	G 3/4"	
G08	G 1"	G 1"	
G10	G1-1/4"	G1-1/4"	
\$16	SAE 16	SAE 16	

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)	

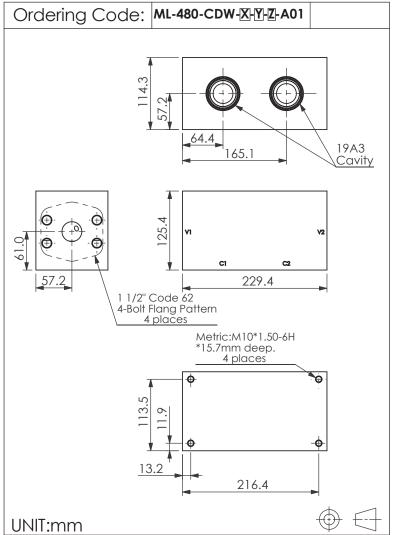
HYDRAULIC CIRCUITS (WITH VALVES)

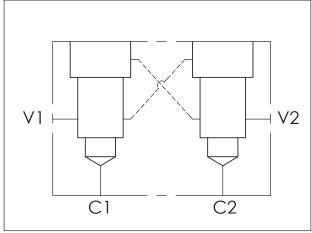




Ordering Code: ML-240-CDW-CBCH-CBCH-A01 Ordering Code: ML-240-CDW-CO20-CO20-A01







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.

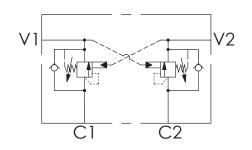
Υ	SELECTION FOR V2 PORT CON	TROL
19A3	CAVITY ONLY (WITHOUT VALVE)	
CBCH	CB19A3CHL (3:1 , 280bar)	
CO20	CO19A3020N (2.0bar)	

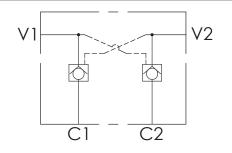
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

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

PORT SIZE			
Z	PORTS	PORTS	
	V1,V2	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)



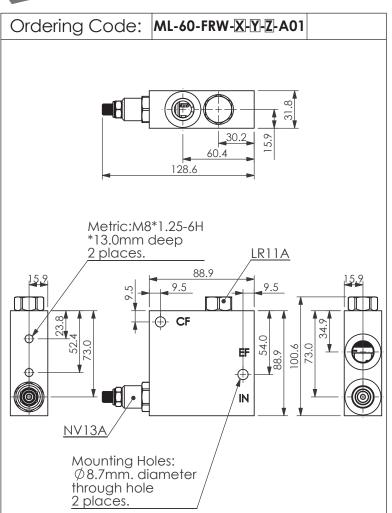


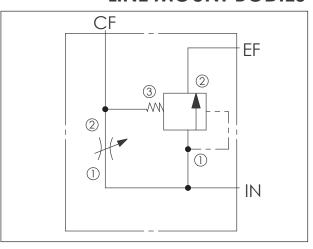
Ordering Code: ML-480-CDW-CBCH-CBCH-A01 Ordering Code: ML-480-CDW-CO20-CO20-A01



UNIT:mm

STANDARD MANIFOLD LINE MOUNT BODIES





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.

TYPICAL CIRCUIT: (WITHOUT RELIEF FUNCTION)

Y	BYPASS COMPENSATOR	
11A3	WITHOUT VALVE	
LR140	LR11A30140N(60LPM, Δ P=14bar)	

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.)

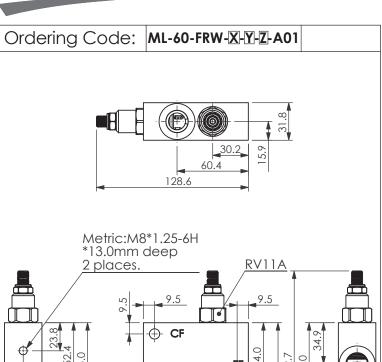
X	NEEDLE VALVES	
13A2	WITHOUT VALVE	
NV84	NV13A2884L	

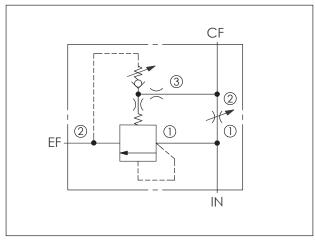
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)

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

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TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 60 LPM

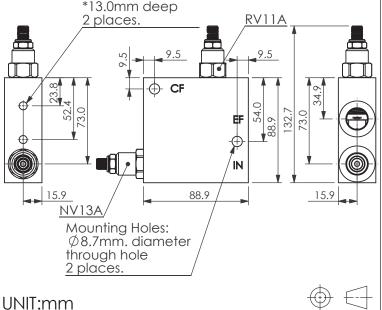
Cavity:

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.



TYPICAL CIRCUIT: (WITH RELIEF FUNCTION)	CF
EF	

Y	BYPASS COMPENSATOR
11A3	WITHOUT VALVE
RVOA	RV11A3BAL(40LPM, Δ P=7bar)

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.)

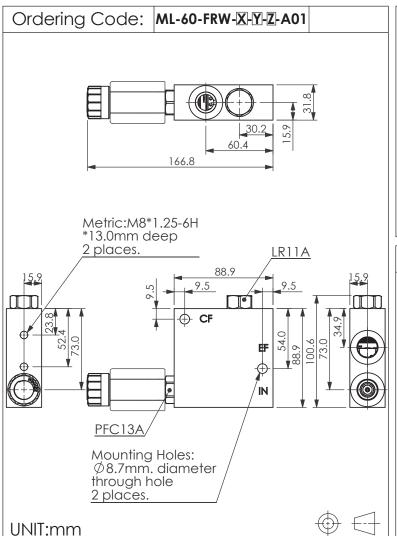
X	NEEDLE VALVES	
13A2	WITHOUT VALVE	
NV84	NV13A2884L	

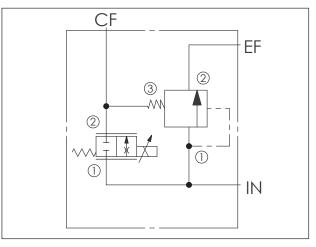
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure `... etc.)

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

Rev.150522 N.FRW.102







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 40 LPM

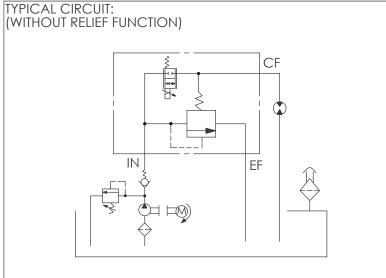
Cavity:

Refer to 13A2 11A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(INCLUDE VALVES)

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



Υ	BYPASS COMPENSATOR		
11A3	WITHOUT VALVE		
LR140	LR11A30140N(60LPM, Δ P=14bar)		
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.)

X	SELECTION FOR FLOW CON (REFER TO PFC13A-X-Y	
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		

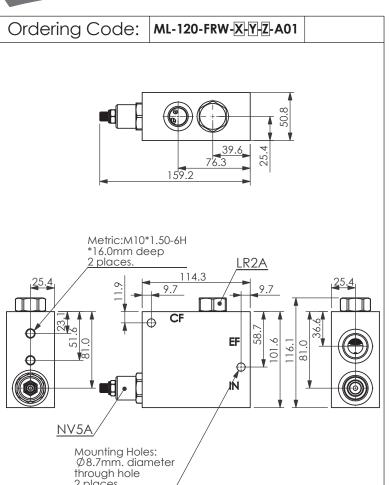
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-19A-X-Y-Z)

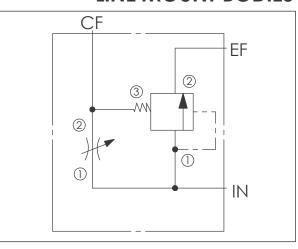
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

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

Rev.120204 N.FRW.103







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 120 LPM

Cavity:

Refer to 5A2 2A3

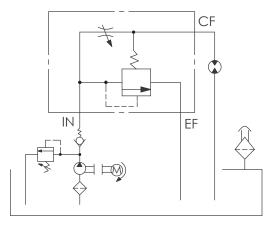
* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.8 kg(INCLUDE VALVES)

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

TYPICAL CIRCUIT: (WITHOUT RELIEF FUNCTION)

UNIT:mm



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

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.)

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 maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)

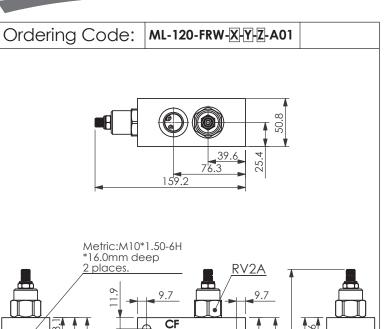
	PORT SIZE		
Z	PORTS PORT		
	IN,EF	CF	
G06	G 3/4"	G 1/2"	

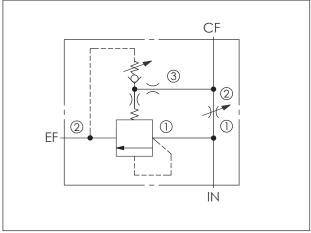
Rev.150522 N.FRW.201



UNIT:mm

STANDARD MANIFOLD LINE MOUNT BODIES





TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 120 LPM

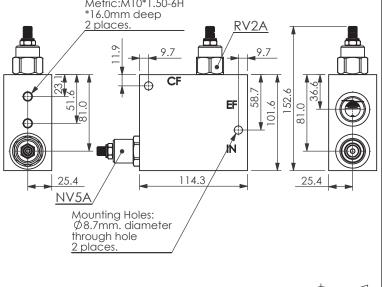
Cavity:

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) CF
EF E

Y	BYPASS COMPENSATOR	
2A3	WITHOUT VALVE	
RVOA	RV2A3BAL(80LPM, Δ P=8bar)	

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.)

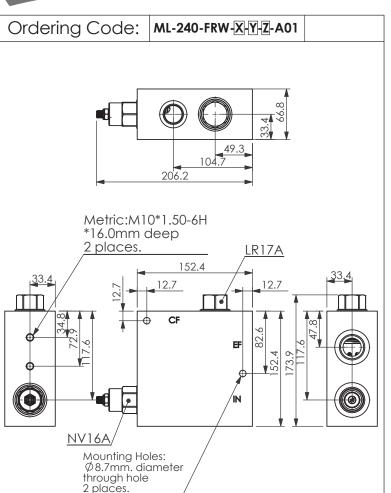
X	NEEDLE VALVES	
5A2	WITHOUT VALVE	
NV127	NV5A28127L	

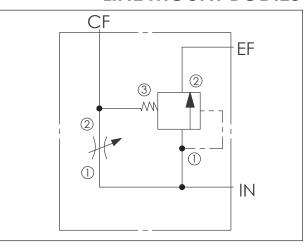
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \cdot pressure \cdot ... etc.)

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

Rev.150522 N.FRW.202







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 240 LPM

Cavity:

Réfer to 16A2 17A3

* Refer to Winner Cartridge Valves Catalog.

Aluminum	4.6 kg(INCLUDE VALVES)

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

TYPICAL CIRCUIT: (WITHOUT RELIEF FUNCTION)

UNIT:mm

Υ	BYPASS COMPENSATOR	
17A3	WITHOUT VALVE	
LR140	LR17A30140N(240LPM, Δ P=14bar)	

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.)

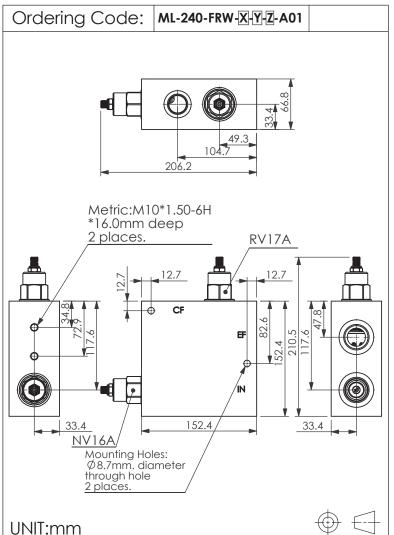
X	NEEDLE VALVES		
16A2	WITHOUT VALVE		
NV175 NV16A28175L			

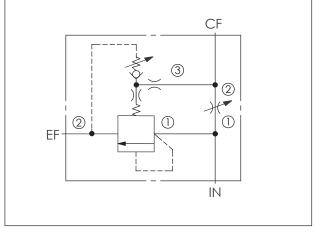
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

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

Rev.120711 N.FRW.301







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 240 LPM

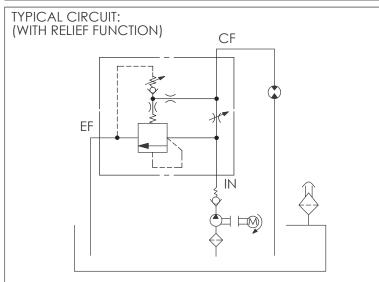
Cavity:

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.



Y	BYPASS COMPENSATOR	
17A3	WITHOUT VALVE	
RVOA	RV17A3BAL(160LPM, Δ P=8bar)	
	1 -1 -1 -1	

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.)

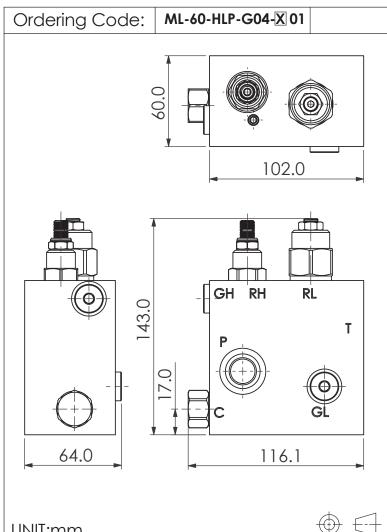
X	NEEDLE VALVES		
16A2	WITHOUT VALVE		
NV175 NV16A28175L			

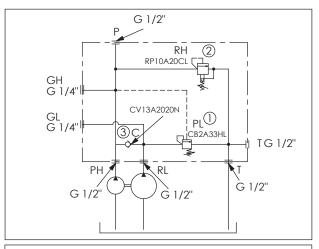
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure `... etc.)

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

Rev.120711 N.FRW.302







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron 350 bar Body Pressure Rating:

Cavity:

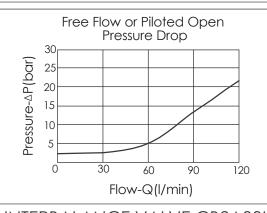
Réfer to CB2A33HL CV13A2020N RP10A20CL

* 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)

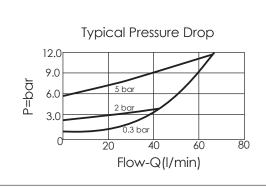
^{*} If you need the special specification. Please contact us.

X	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	



COUNTERBALANCE VALVE: CB2A33HL

Typical Pressure Rise



CHECK VALVE: CV13A2020N

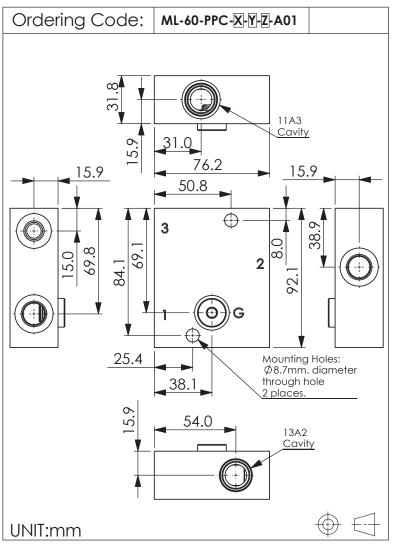
350 300 Pressure-∆P(bar) 250 200 150 100 50 100 150 200 Flow-Q(I/min)

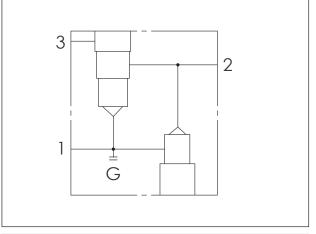
RELIEF VALVE:RP10A20CL

Rev.130403

UNIT:mm







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3 13A2

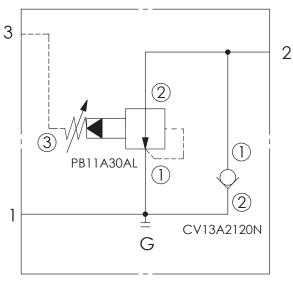
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.5 kg(WITHOUT VALVES)

^{*} If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 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 maniflods assembly in accordance with request function (flow \(\) pressure \(\) ... etc.)

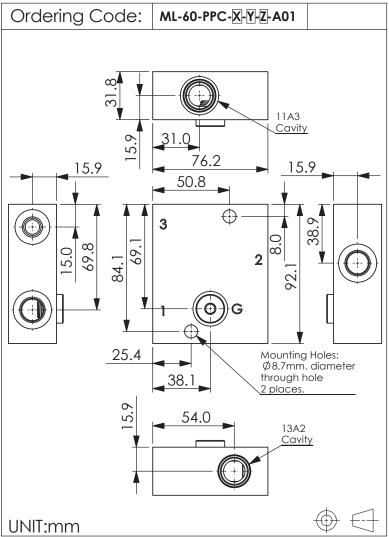
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV13A-X-Y-Z)		
13A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV13A2120N(60LPM,2.0bar)		
The colection is only example Please refer to Winner			

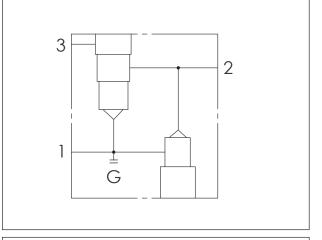
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

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

Rev.150522 N.PPC.101







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3 13A2

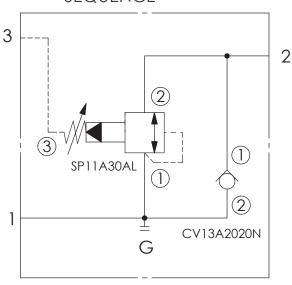
* Refer to Winner Cartridge Valves Catalog.

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 colories is a ship account. Discount of a to Mission			

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.)

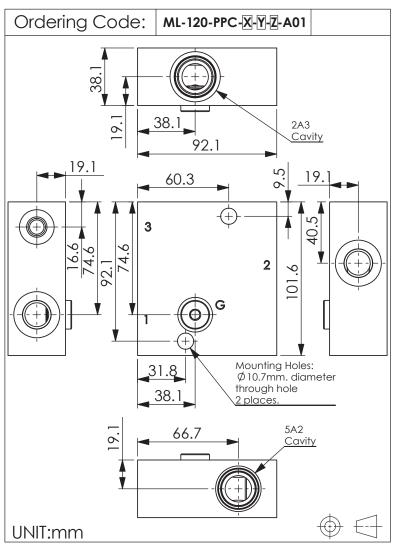
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV13A-X-Y-Z)		
13A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV13A2020N(80LPM,2.0bar)		
The selection is only example. Please refer to Winner			

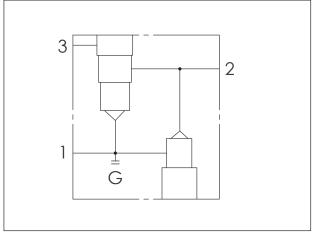
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

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

Rev.150522 N.P.P.C.102







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	0.8 kg(WITHOUT VALVES)

^{*} If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

REDUCING 3 PB2A30AL CV5A2120N G

PORT 2 TO PORT 1

X	CARTRIDGE VALVES SELECTION		
2A3	CAVITY ONLY (WITHOUT VALVE)		
PBOA	PB2A30AL (80LPM , 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 \(\cdot \) pressure \(\cdot \) ... etc.)

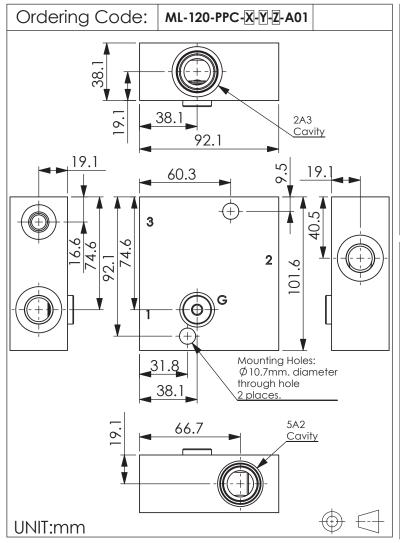
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV5A-X-Y-Z)		
5A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV5A2120N(120LPM,2.0bar)		
The selection is only example Please refer to Winner			

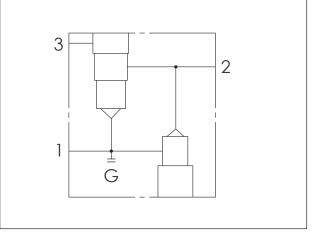
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

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

Rev.140605 N.PPC.201







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Réfer to 2A3

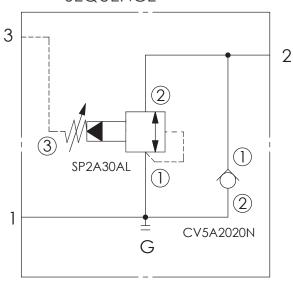
* Refer to Winner Cartridge Valves Catalog.

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 coloring is only evenents. Disease refer to Misses			

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 \(\cdot \) pressure \(\cdot \) ... etc.)

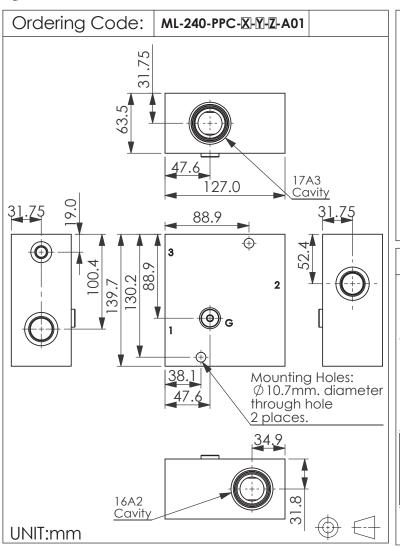
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV5A-X-Y-Z)		
5A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV5A2020N(160LPM,2.0bar)		
The selection is only example Please refer to Winner			

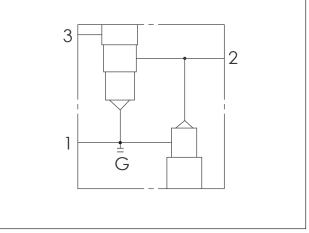
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \(\) pressure \(\) ... etc.)

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

N.PPC.202







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 2 TO PORT 1 REDUCING 3 PB17A30AL CV16A2120N G PORT 2 CV16A2120N

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

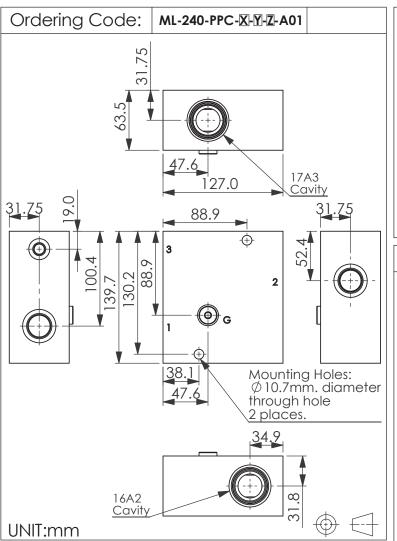
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

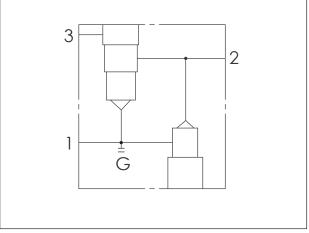
	Y	SELECTION FOR SOLENOID VALVES (REFER TO CV16A-X-Y-Z)		
16A2 CAVITY ONLY (WITHOUT		CAVITY ONLY (WITHOUT VALVE)		
CV20 CV16A2120N(240LPM,2.0bar)				
	The selection is only example. Please refer to Winner			

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.)

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







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Réfer to 17A3

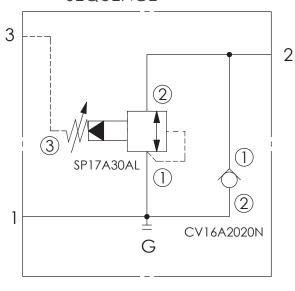
* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(WITHOUT VALVES)

^{*} If you need the special specification. Please contact us.

TYPICAL CIRCUIT:

PORT 1 TO PORT 2 SEQUENCE



X	X CARTRIDGE VALVES SELECTION			
17A3	CAVITY ONLY(WITHOUT VALVE)			
SPOA	SP17A30AL (240LPM , 7-210bar)			
The colortion is only eveneds. Disease refer to Minney				

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.)

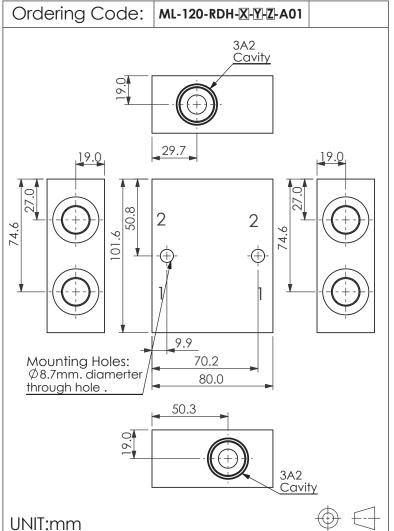
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV16A-X-Y-Z)			
16A2	CAVITY ONLY (WITHOUT VALVE)			
CV20	CV16A2020N(320LPM,2.0bar)			
The selection is only example Please refer to Winner				

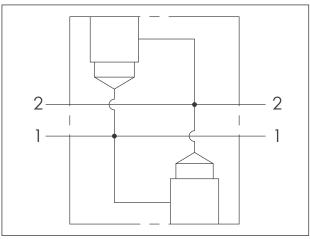
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

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

Rev.140603 N PPC.302







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

Cavity:

Réfer to 3A2

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.61	kg(WITHOUT VALVES)

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

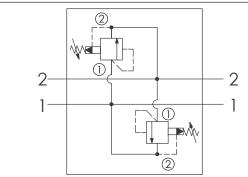
Y	SELECTION FOR V2 PORT CONTROL			
3A2	CAVITY ONLY (WITHOUT VALVE)			
RPOA	RP3A20AL (200LPM , 7-210bar)			
RD5A	RD3A25AL (200LPM,35-210bar)			
	,			

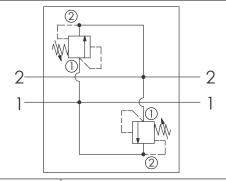
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

X	SELECTION FOR V1 PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RPOA	RP3A20AL (200LPM , 7-210bar)		
RD5A	RD3A25AL (200LPM,35-210bar)		

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

HYDRAULIC CIRCUITS (WITH VALVES)

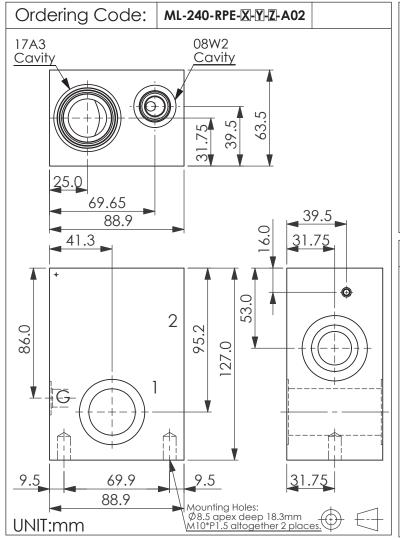


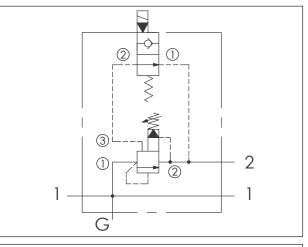


Ordering Code: ML-120-RDH-RP0A-RP0A-G04-A01 Ordering Code: ML-120-RDH-RD5A-RD5A-G04-A01

N.RDH.201







TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Cavity:

Réfer 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)		
RVOA	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.)

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 maniflods assembly in accordance with request function (flow pressure ... etc.)

	PORT SIZE		
Z	PORTS	PORT	
	1,2	G	
G08	G 1"	G 1/4"	

Rev.150121 N RPF 301



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