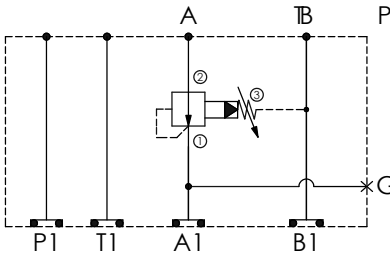
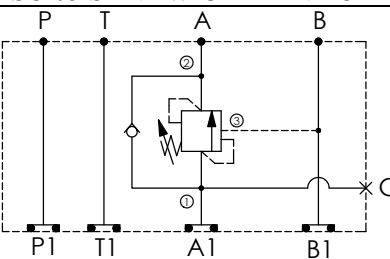
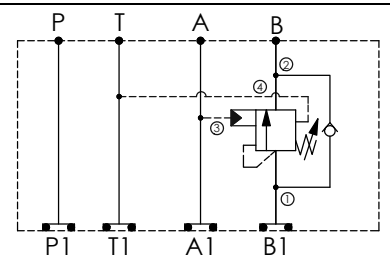
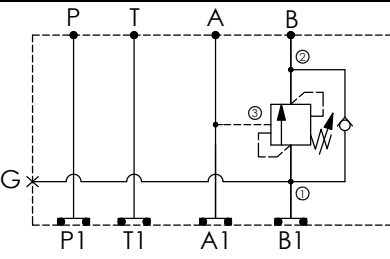
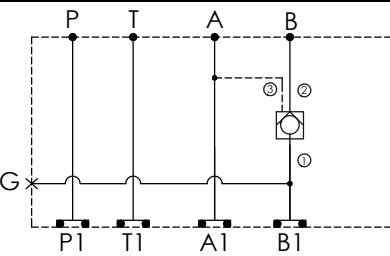




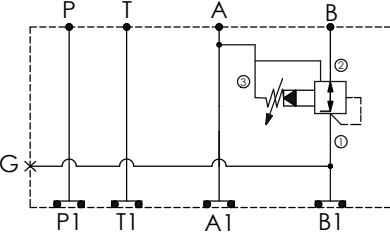
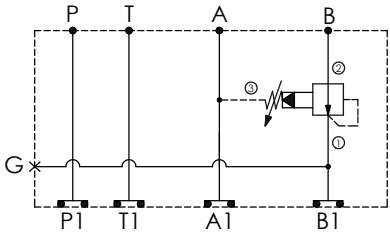
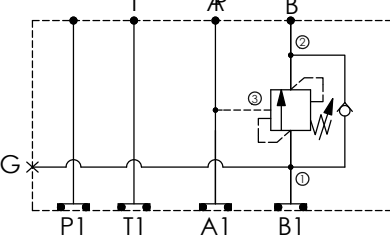
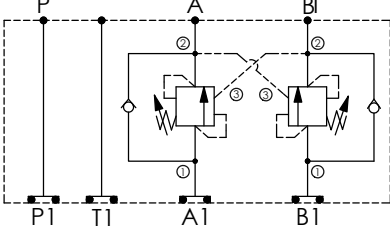
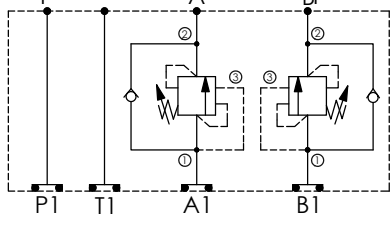
BLOKI CETOP BLOKI PRZYŁĄCZENIOWE CETOP 05 - NG10

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05BDT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	204
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CAT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 03	80	250 (Aluminum)	63.0	205
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CAW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	206
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CAW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	207
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CAW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	208
			350 (Ductile Iron)		

“MH” Sandwich Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CAW-X-Y-Z01	80	250 (Aluminum)	49.5	209
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CAW-X-Y-Z21	60	250 (Aluminum)	49.5	210
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CBT-X-Y-Z03	80	250 (Aluminum)	63.0	211
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CBW-X-Y-Z01	80	250 (Aluminum)	49.5	212
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH BODY					
	MH05CBW-X-Y-Z01	80	250 (Aluminum)	49.5	213
			350 (Ductile Iron)		

“MH” Sandwich Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CBW-X-Y-Z01	80	250 (Aluminum)	49.5	214
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CBW-X-Y-Z01	80	250 (Aluminum)	49.5	215
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CBW-X-Y-Z21	60	250 (Aluminum)	49.5	216
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDH-X-Y-Z03	80	250 (Aluminum)	63.0	217
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDS-X-Y-Z01	80	250 (Aluminum)	49.5	218
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDT- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z03	80	250 (Aluminum)	63.0	219
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	220
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	221
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	222
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	223
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 21	60	250 (Aluminum)	49.5	224
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 21	60	250 (Aluminum)	49.5	225
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05CDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 21	40	250 (Aluminum)	49.5	226
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05EDT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	227
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05EDW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	228
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05EDW- X - Y - Z 21	40	250 (Aluminum)	49.5	229
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05EPP- X - Y - Z 03	70	250 (Aluminum)	63.0	230
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05EPP- X - Y - Z 03	40	250 (Aluminum)	63.0	231
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05EPW- X - Y - Z 01	80	250 (Aluminum)	49.5	232
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05ERW- X - Y - Z 03	70	250 (Aluminum)	63.0	233
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05ERW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 03	40	250 (Aluminum)	63.0	234
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FAD- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	40	250 (Aluminum)	49.5	235
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FAE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 03	45 Pressure Compensated	250 (Aluminum)	63.0	236
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FAE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 03	80	250 (Aluminum)	63.0	237
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FAO- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	45 Pressure Compensated	250 (Aluminum)	49.5	238
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FAO- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	239
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FBD- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	40	250 (Aluminum) 350 (Ductile Iron)	49.5	240
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FBE- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z03	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	63.0	241
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FBE- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	242
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FBO- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	243

PRODUCTS SELECTION GUIDE

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD 	MH05BO- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	244
ISO 05 SANDWICH MANIFOLD 	MH05FDO- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	245
ISO 05 SANDWICH MANIFOLD 	MH05FDO- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	246
ISO 05 SANDWICH MANIFOLD 	MH05FDO- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	247
ISO 05 SANDWICH MANIFOLD 	MH05FDT- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z02	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	40.0	248

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FDT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 02	80	250 (Aluminum)	40.0	249
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FDT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 02	80	250 (Aluminum)	40.0	250
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FPD- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	23 Pressure Compensated	250 (Aluminum)	49.5	251
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FPD- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	40	250 (Aluminum)	49.5	252
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FPE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	45 Pressure Compensated	250 (Aluminum)	49.5	253
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FPE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	254
ISO 05 SANDWICH MANIFOLD					
	MH05FPW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	255
ISO 05 SANDWICH MANIFOLD					
	MH05FTD- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	23 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	256
ISO 05 SANDWICH MANIFOLD					
	MH05FTD- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	40	250 (Aluminum) 350 (Ductile Iron)	49.5	257
ISO 05 SANDWICH MANIFOLD					
	MH05FTE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	258

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FTE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	259
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05FTW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	260
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
B to A , Regenerative					
	MH05GBE- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	261
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
B to A , Regenerative					
	MH05GBW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	262
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05KPR- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	263

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05NDT-N-N-Z01	80	250 (Aluminum)	25.0	264
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PAC-X-Y-Z03	80	250 (Aluminum)	63.0	265
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PPE-X-Y-Z01	80	250 (Aluminum)	49.5	266
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PPE-X-Y-Z11	80	250 (Aluminum)	49.5	267
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PPW-X-Y-Z01	80	250 (Aluminum)	49.5	268
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PPW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	269
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PPW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 21	40	250 (Aluminum)	49.5	270
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05PPW- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 21	40	250 (Aluminum)	49.5	271
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RAB- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	272
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RAB- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	273
			350 (Ductile Iron)		

“MH” Sandwich Manifolds

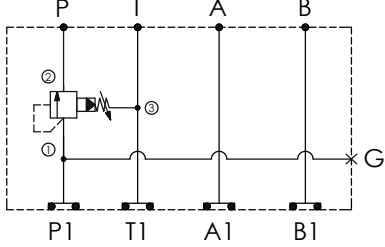
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RAH- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	274
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RAH- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	275
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RBA- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	276
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RBA- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	277
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RBH- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	278
			350 (Ductile Iron)		

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RBH- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	279
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RDH- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	280
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RDT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	281
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RDT- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	282
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RPD- <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> 01	80	250 (Aluminum)	49.5	283
			350 (Ductile Iron)		

“MH” Sandwich Manifolds

SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RPH- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	284
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RPH- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	285
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05RTH- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z01	80	250 (Aluminum)	49.5	286
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05SAI- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z03	80	250 (Aluminum)	63.0	287
			350 (Ductile Iron)		
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05SBI- <input type="checkbox"/> X- <input type="checkbox"/> Y- <input type="checkbox"/> Z03	80	250 (Aluminum)	63.0	288
			350 (Ductile Iron)		

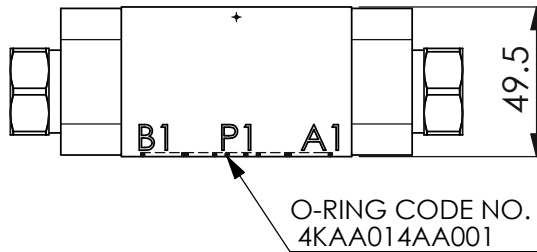
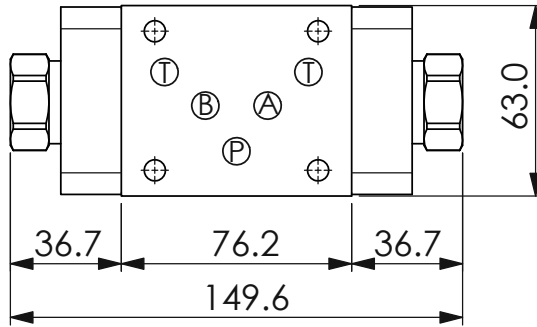
PRODUCTS SELECTION GUIDE

“MH” Sandwich Manifolds					
SYMBOL	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD					
	MH05SPW- <input type="text" value="X"/> - <input type="text" value="Y"/> - <input type="text" value="Z"/> 03	80	250 (Aluminum)	63.0	289
			350 (Ductile Iron)		

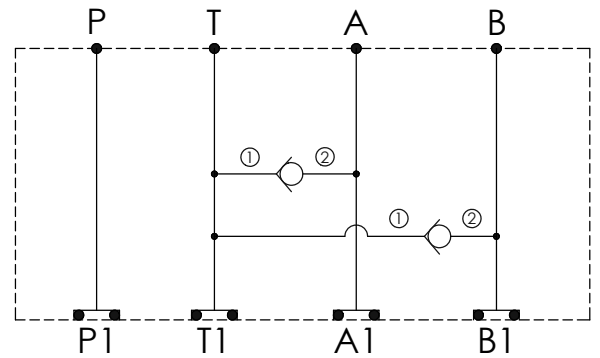
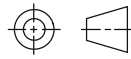
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05BDT-X-Y-Z 01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

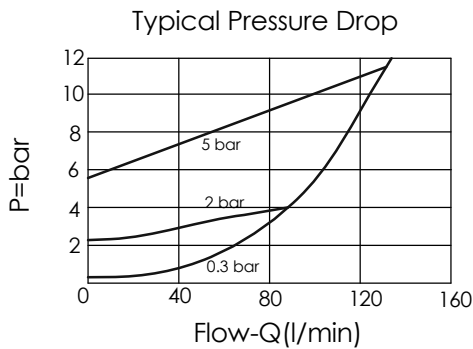
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to CV5A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.76 kg(WITHOUT VALVES) 1.16 kg(INCLUDE VALVES)
Ductile Iron	2.21 kg(WITHOUT VALVES) 2.61 kg(INCLUDE VALVES)

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



X SELECTION FOR A PORT CONTROL

5A2 CAVITY ONLY(WITHOUT VALVE)

CV03 CV5A2003N (160 LPM , 0.3bar)

Y SELECTION FOR B PORT CONTROL

5A2 CAVITY ONLY(WITHOUT VALVE)

CV03 CV5A2003N (160 LPM , 0.3bar)

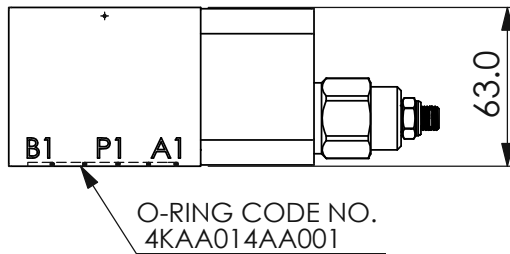
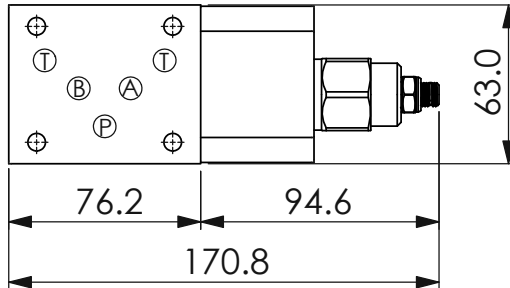
Z BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

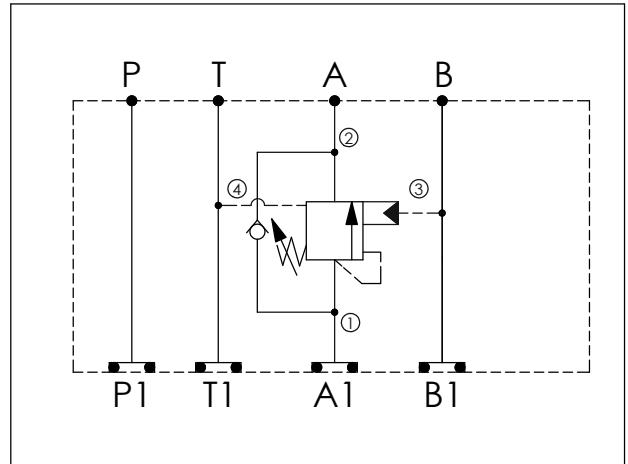
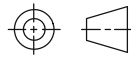
S DUCTILE IRON

Ordering Code: **MH05CAT-X-Y-Z 03**

Stack Height : 63.0mm



UNIT:mm



TECHNICAL DATA

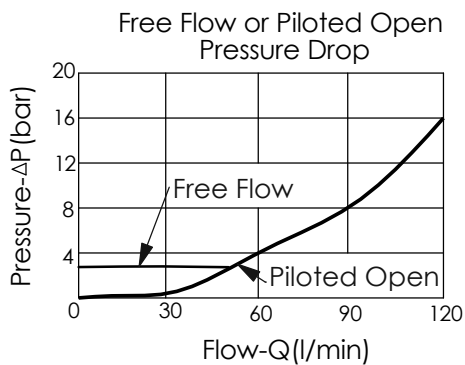
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CW22A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	1.1 kg(WITHOUT VALVE)
	1.46 kg(INCLUDE VALVE)
Ductile Iron	3.1 kg(WITHOUT VALVE)
	3.46 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

22A4	CAVITY ONLY(WITHOUT VALVE)
CWAI	CW22A4AIL (1:1 , 105bar)
CWBF	CW22A4BFL (2:1 , 175bar)
CWCH	CW22A4CHL (3:1 , 280bar)
CWEF	CW22A4EFL (5:1 , 175bar)

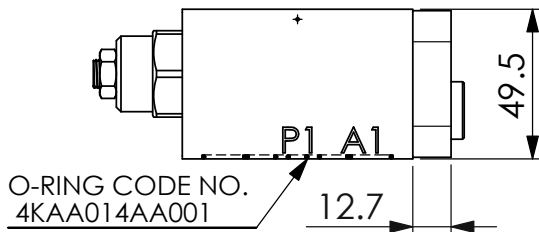
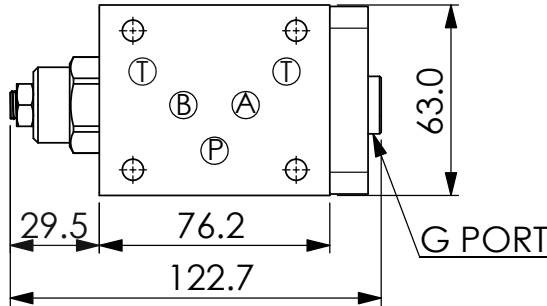
Y SELECTION FOR G PORT

N	WITHOUT PORT

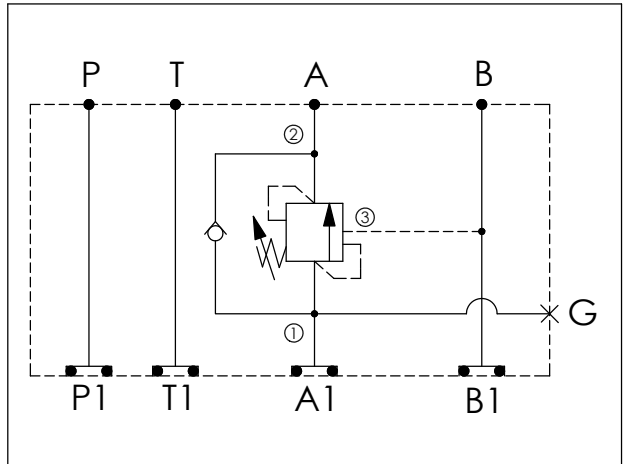
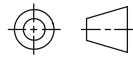
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: **MH05CAW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

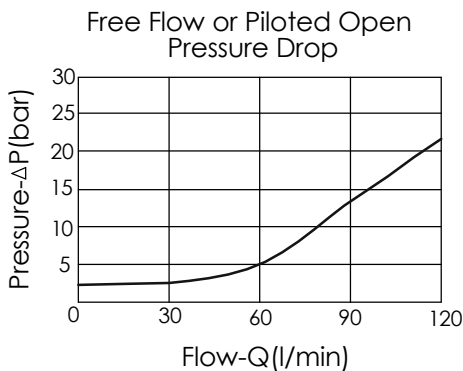
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 1.05 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 2.05 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CB4J	CB2A34JL (4.5:1 , 350bar)
CB0J	CB2A30JL (10:1 , 350bar)

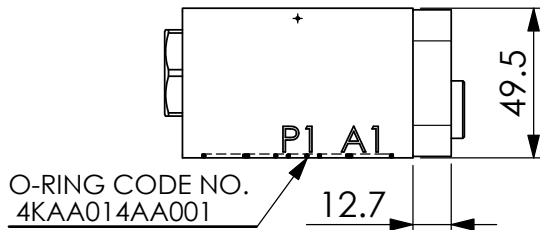
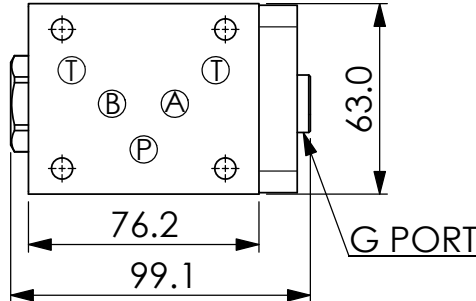
Y SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

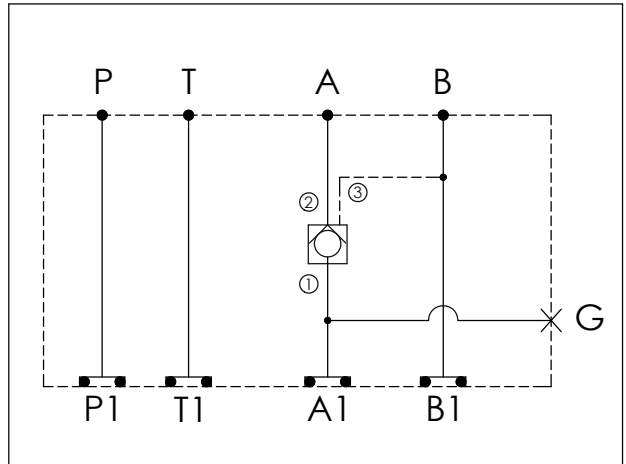
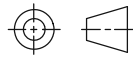
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: MH05CAW-X-Y-Z 01
Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

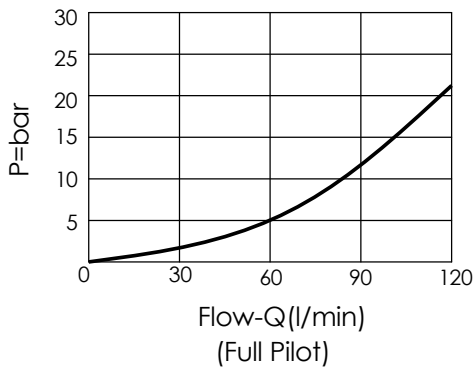
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CO2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 0.9 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 1.9 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
CO20	CO2A3020N (120LPM,2.0bar)
CO03	CO2A3003N (120LPM,0.3bar)
CO50	CO2A3050N (120LPM,5.0bar)

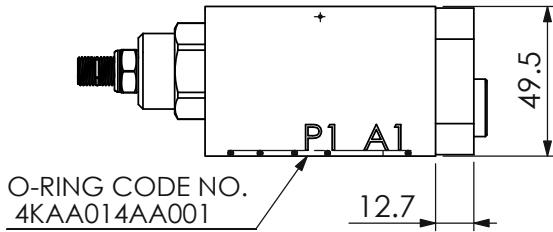
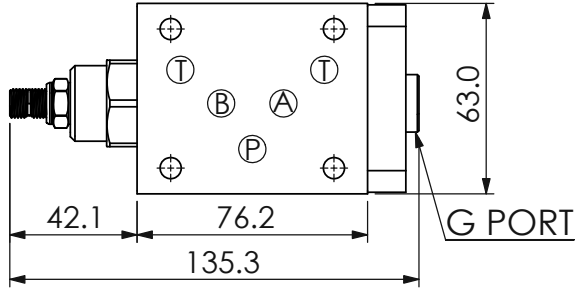
Y SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

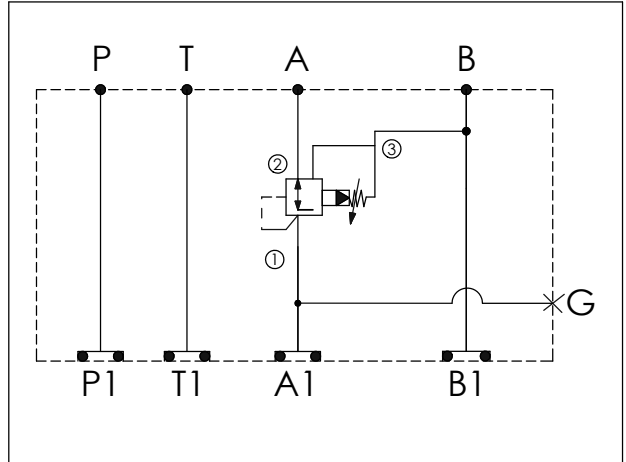
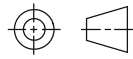
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: **MH05CAW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

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

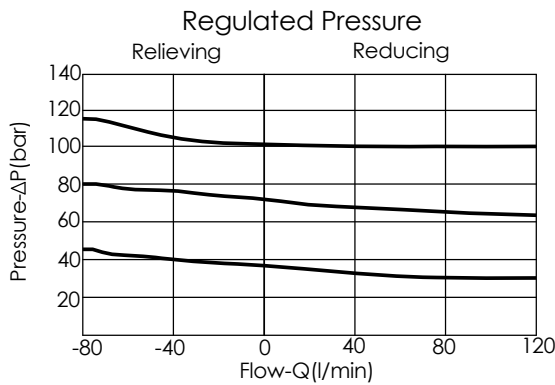
Rated flow: 80 l/min

Cartridge Valve:
 Refer to PP2A-X-Y-Z

* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 0.92 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 1.92 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
PP0A	PP2A30AL(80LPM,7.0~210bar) (Pilot Operated Reducing/Relieving)

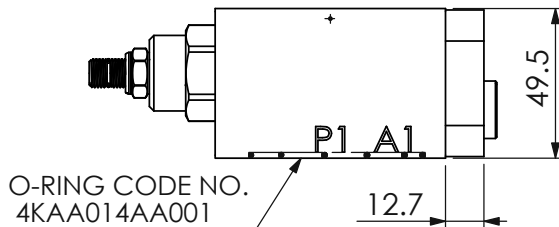
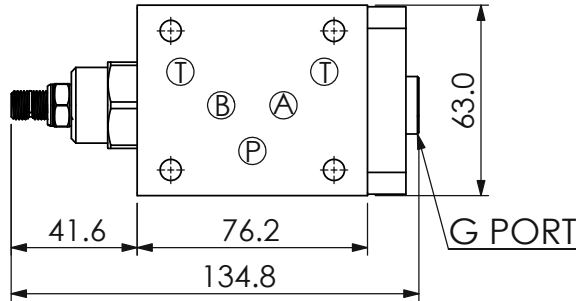
Y SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

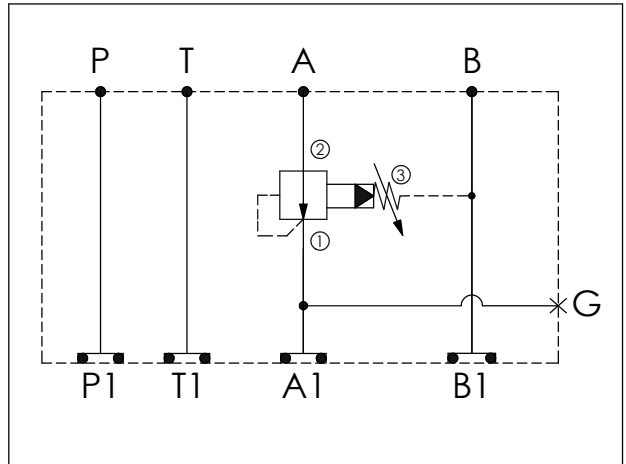
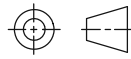
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: **MH05CAW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

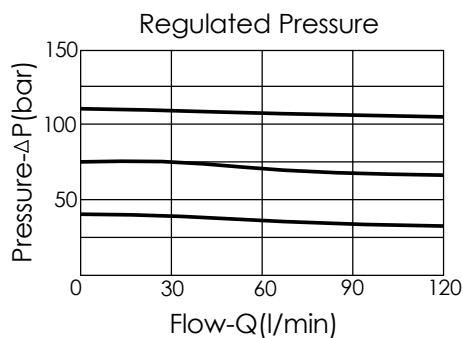
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to PB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 0.95 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 1.95 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

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

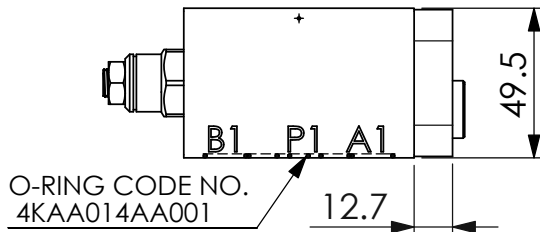
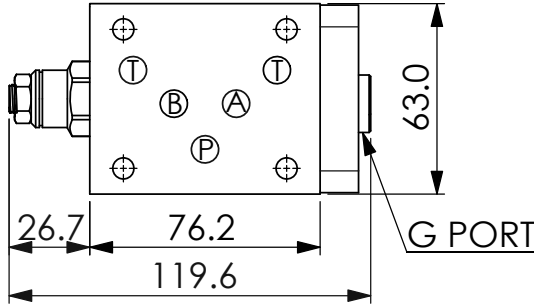
Y SELECTION FOR G PORT

G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

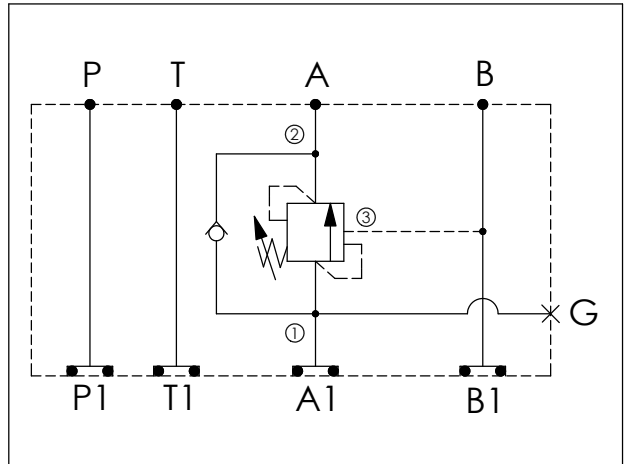
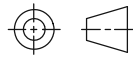
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code: **MH05CAW-X-Y-Z 21**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

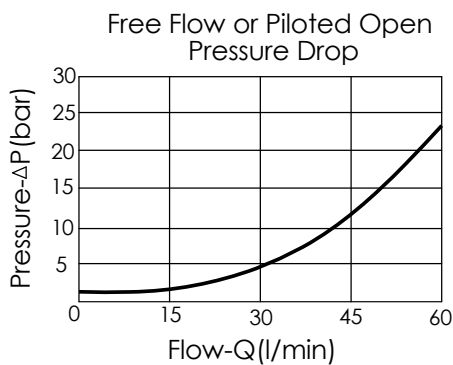
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 60 l/min

Cartridge Valve:
 Refer to CB11A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE)
	0.85 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CB4J	CB11A34JL (4.5:1 , 350bar)
CB0J	CB11A30JL (10:1 , 350bar)

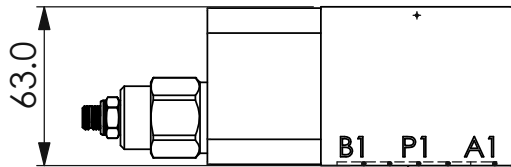
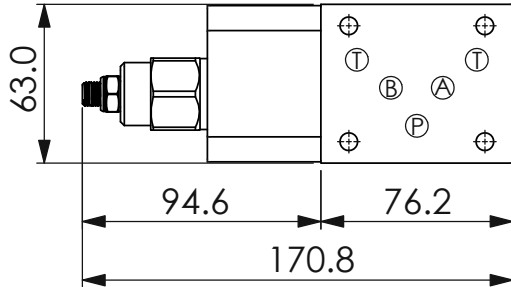
Y SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Z BODY MATERIAL

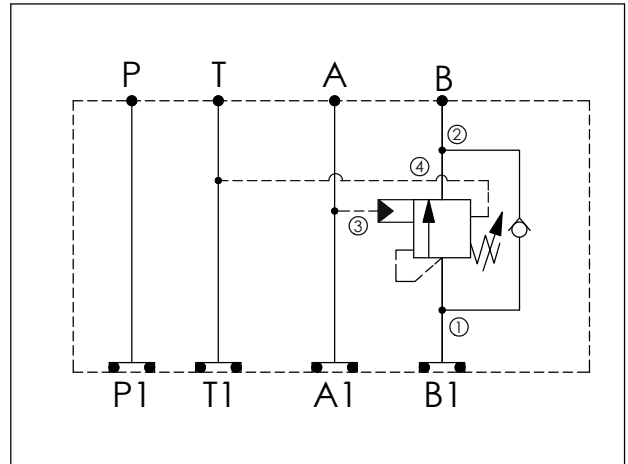
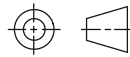
A	HIGH-STRENGTH ALUMINUM

Ordering Code: MH05CBT-X-Y-Z 03
Stack Height : 63.0mm



O-RING CODE NO.
4KAA014AA001

UNIT:mm



TECHNICAL DATA

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

Rated flow: 80 l/min

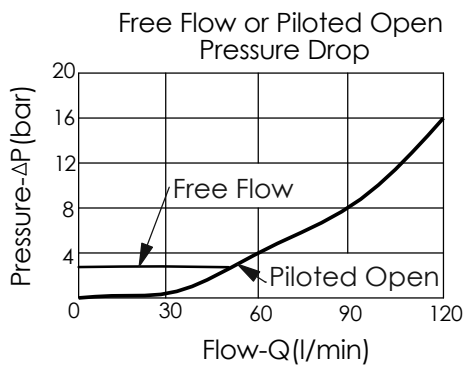
Cartridge Valve:

Refer to CW22A-X-Y-Z

* Refer to Winner Cartridge Valve Catalog.

Aluminum	1.1 kg(WITHOUT VALVE)
	1.46 kg(INCLUDE VALVE)
Ductile Iron	3.1 kg(WITHOUT VALVE)
	3.46 kg(INCLUDE VALVE)

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



X

SELECTION FOR G PORT

N

WITHOUT PORT

Y

SELECTION FOR B PORT CONTROL

22A4	CAVITY ONLY(WITHOUT VALVE)
CWAI	CW22A4AIL (1:1 , 105bar)
CWBF	CW22A4BFL (2:1 , 175bar)
CWCH	CW22A4CHL (3:1 , 280bar)
CWEF	CW22A4EFL (5:1 , 175bar)

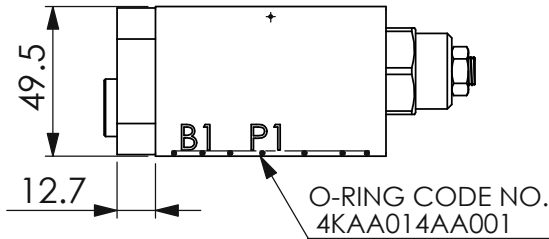
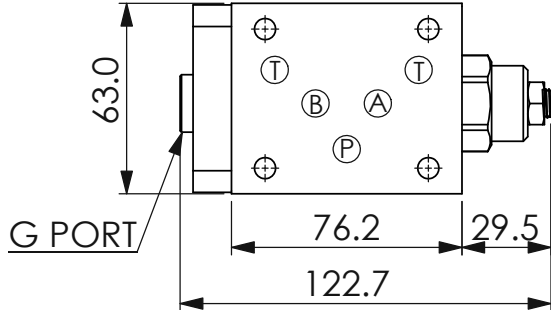
Z

BODY MATERIAL

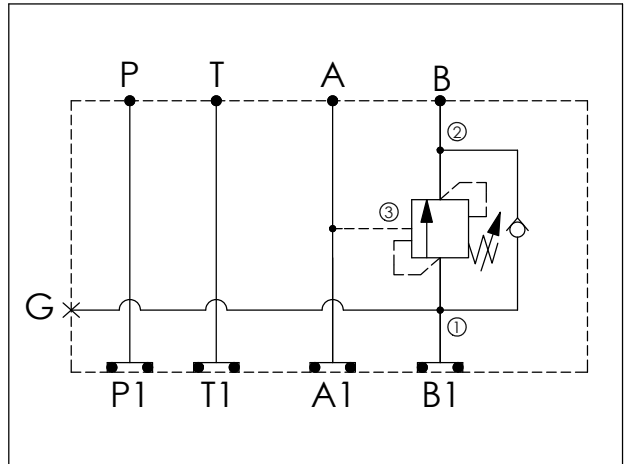
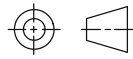
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: **MH05CBW-X-Y-Z 01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

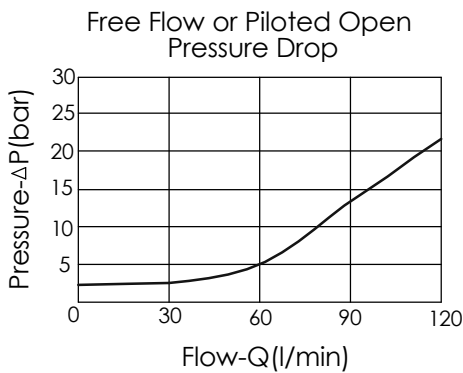
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 1.05 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 2.05 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT

G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

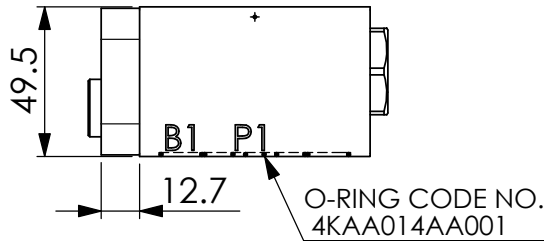
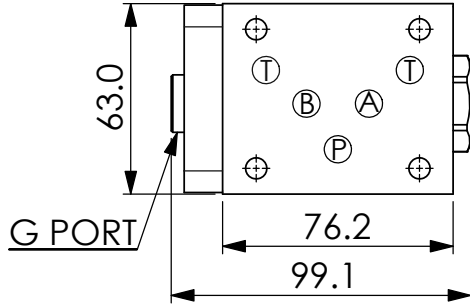
Y SELECTION FOR B PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (3:1 , 280bar)	
CB4J	CB2A34JL (4.5:1 , 350bar)	
CB0J	CB2A30JL (10:1 , 350bar)	

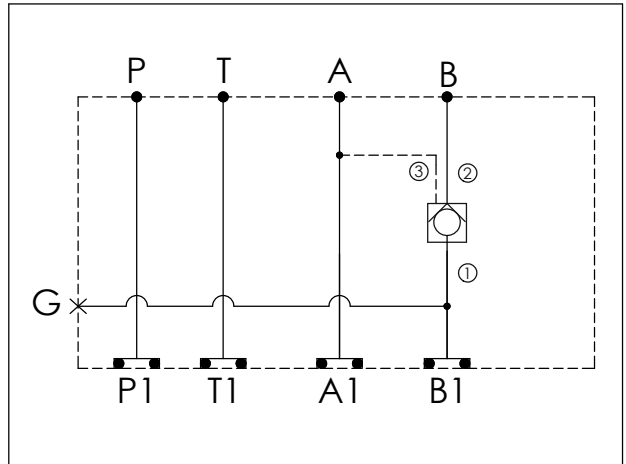
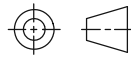
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM	
S		

Ordering Code: MH05CBW-X-Y-Z 01
Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

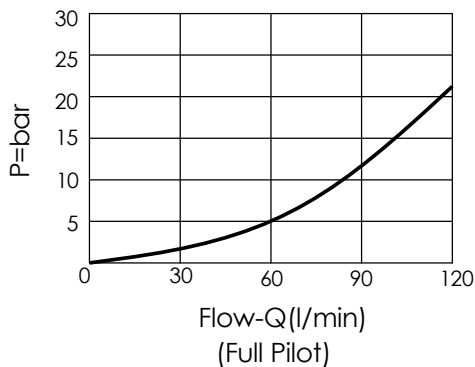
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CO2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 0.9 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 1.9 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT

G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

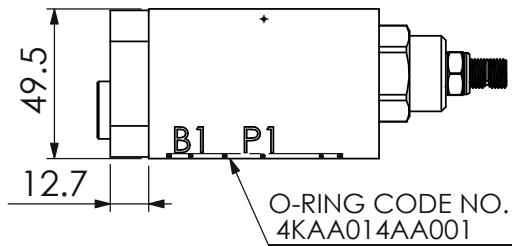
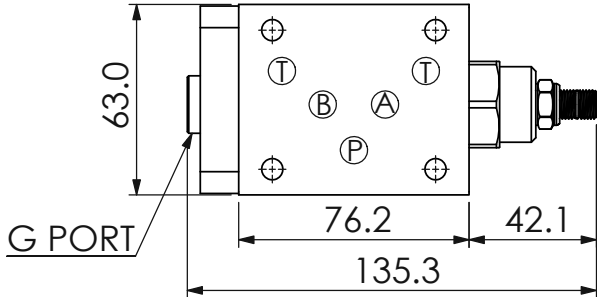
Y SELECTION FOR B PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)	
CO20	CO2A3020N (120LPM,2.0bar)	
CO03	CO2A3003N (120LPM,0.3bar)	
CO50	CO2A3050N (120LPM,5.0bar)	

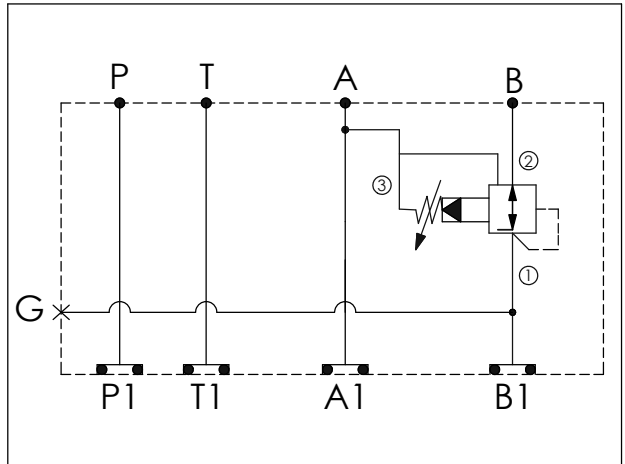
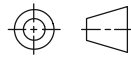
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code: **MH05CBW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

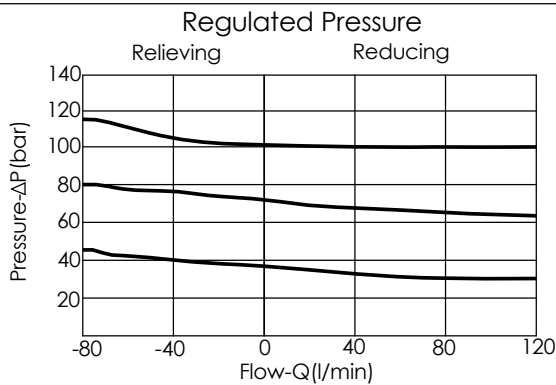
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to PP2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE)
	0.92 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE)
	1.92 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT

G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Y SELECTION FOR B PORT CONTROL

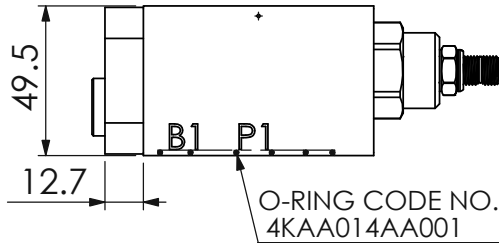
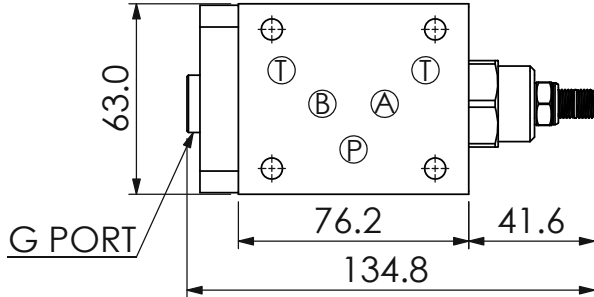
2A3	CAVITY ONLY(WITHOUT VALVE)	
PP0A	PP2A30AL(80LPM,7.0~210bar) (Pilot Operated Reducing/Relieving)	

Z BODY MATERIAL

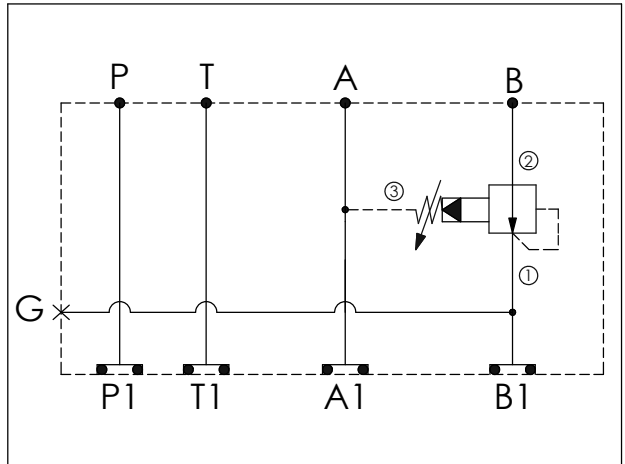
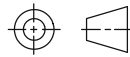
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05CBW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

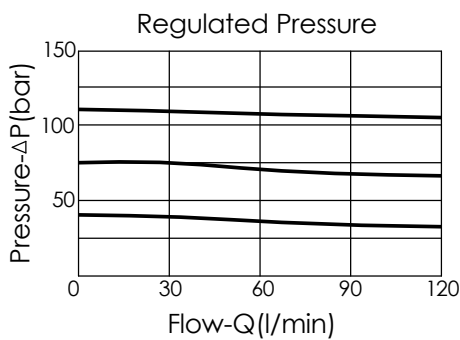
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to PB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE)
	0.95 kg(INCLUDE VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE)
	1.95 kg(INCLUDE VALVE)

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



X

SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Y

SELECTION FOR B PORT CONTROL

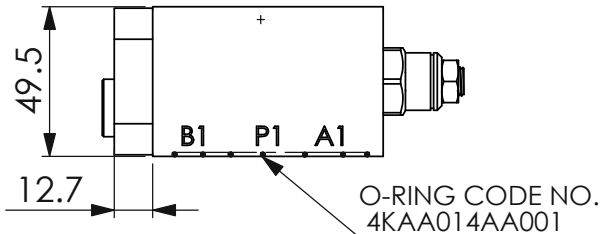
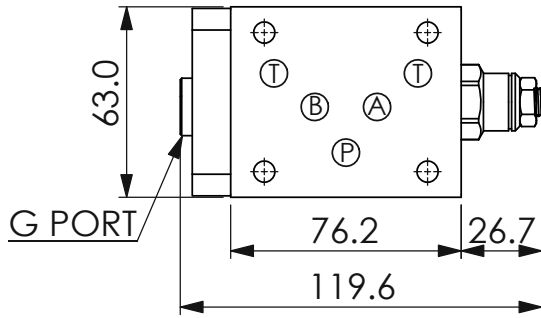
2A3	CAVITY ONLY(WITHOUT VALVE)
PB0A	PB2A30AL (80LPM , 7-210bar)

Z

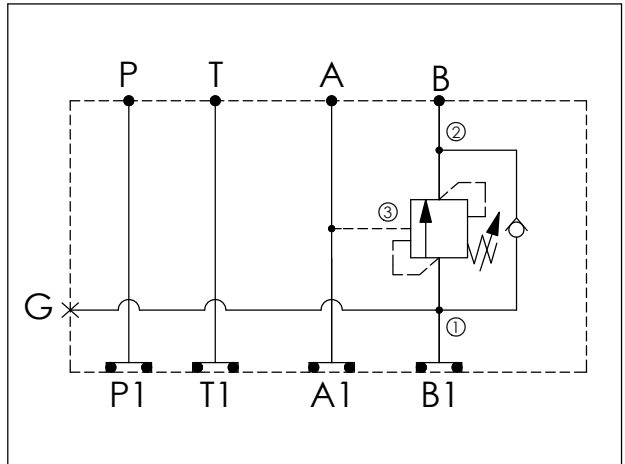
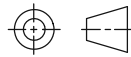
BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: MH05CBW-X-Y-Z 21
Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

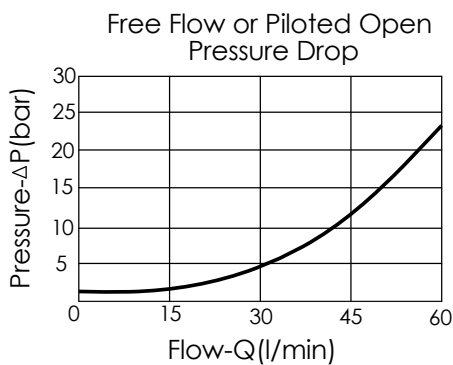
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 60 l/min

Cartridge Valve:
 Refer to CB11A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE) 0.85 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT

G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Y SELECTION FOR B PORT CONTROL

11A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1 , 350bar)	

Z BODY MATERIAL

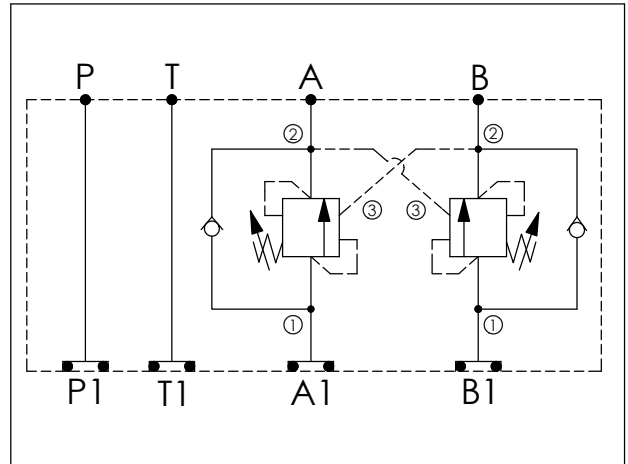
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05CDH-X-Y-Z 03**

Stack Height : 63.0mm

O-RING CODE NO.
4KAA014AA001

UNIT:mm



TECHNICAL DATA

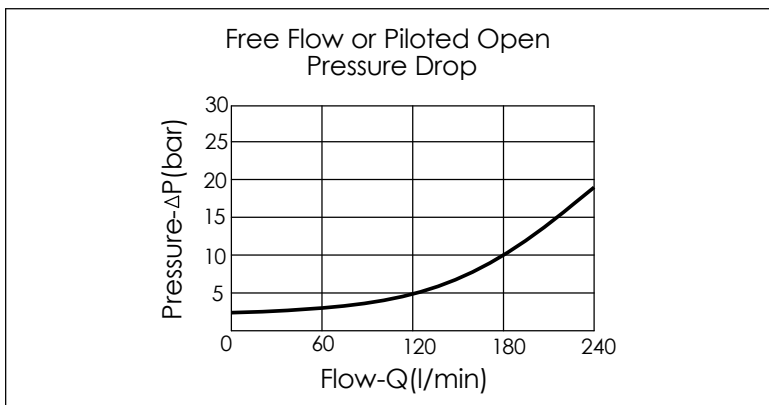
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CB17A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	1.35 kg(WITHOUT VALVES) 2.55 kg(INCLUDE VALVES)
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* If you need the special specification.
 Please contact us.



X	SELECTION FOR A PORT CONTROL
17A3	CAVITY ONLY(WITHOUT VALVE)
CBCH	CB17A3CHL (3:1 , 280bar)
CBAH	CB17A3AHL (1.5:1 , 280bar)
CBDK	CB17A3DKL (4.5:1 , 175bar)
CBJK	CB17A3JKL (10:1 , 175bar)

Y	SELECTION FOR B PORT CONTROL
17A3	CAVITY ONLY(WITHOUT VALVE)
CBCH	CB17A3CHL (3:1 , 280bar)
CBAH	CB17A3AHL (1.5:1 , 280bar)
CBDK	CB17A3DKL (4.5:1 , 175bar)
CBJK	CB17A3JKL (10:1 , 175bar)

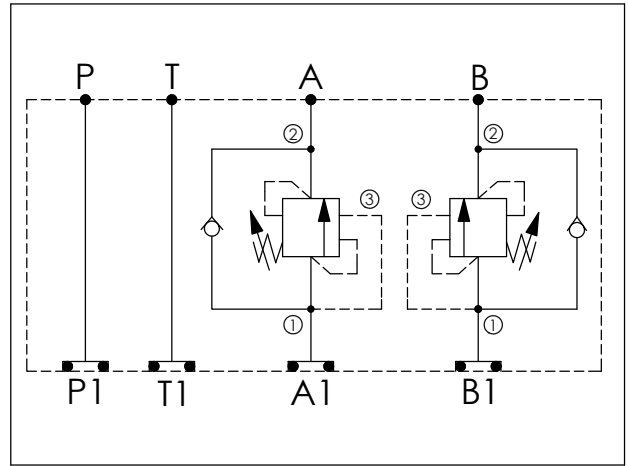
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Ordering Code: **MH05CDS-X-Y-Z 01**

Stack Height : 49.5mm

Technical drawing showing dimensions: 72.2, 76.2, 72.2, 220.5, 63.0, 49.5. Port labels: P, T, A, B, P1, T1, A1, B1. O-RING CODE NO. 4KAA014AA001.

UNIT:mm



TECHNICAL DATA

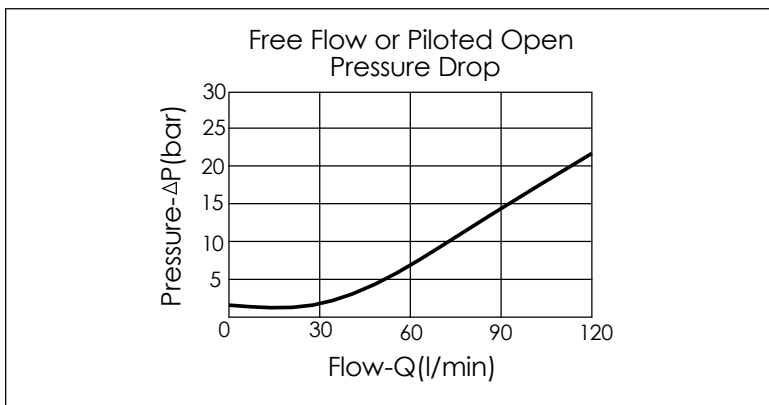
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.9 kg(WITHOUT VALVES) 1.7 kg(INCLUDE VALVES)
Ductile Iron	2.5 kg(WITHOUT VALVES) 3.2 kg(INCLUDE VALVES)

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



X	SELECTION FOR A PORT CONTROL
2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CB4J	CB2A34JL (4.5:1 , 350bar)
CB0J	CB2A30JL (10:1 , 350bar)

Y	SELECTION FOR B PORT CONTROL
2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CB4J	CB2A34JL (4.5:1 , 350bar)
CB0J	CB2A30JL (10:1 , 350bar)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05CDT-X-Y-Z03**

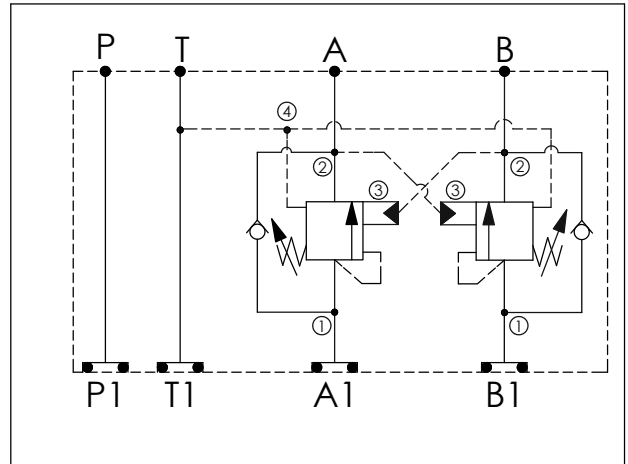
Stack Height : 63.0mm

Dimensions: 94.6, 76.2, 94.6, 265.4, 63.0

Ports: P, T, A, B, P1, T1, A1, B1

O-RING CODE NO. 4KAA014AA001

UNIT:mm



TECHNICAL DATA

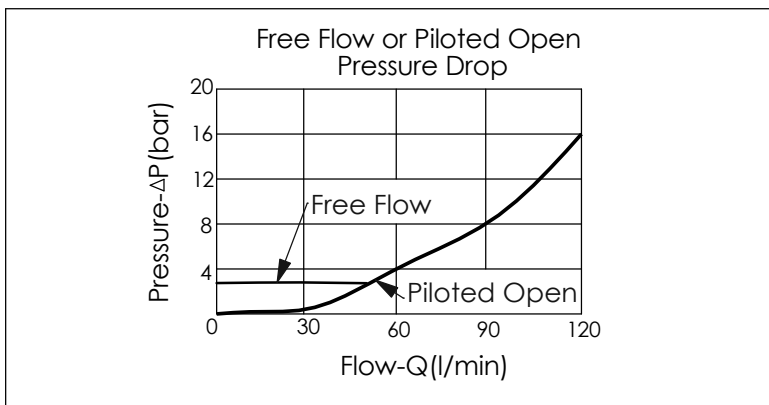
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CW22A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	1.45 kg(WITHOUT VALVES) 2.2 kg(INCLUDE VALVES)
Ductile Iron	4.15 kg(WITHOUT VALVES) 4.9 kg(INCLUDE VALVES)

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

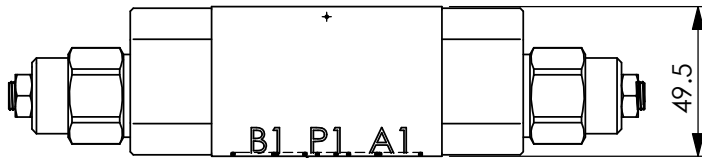
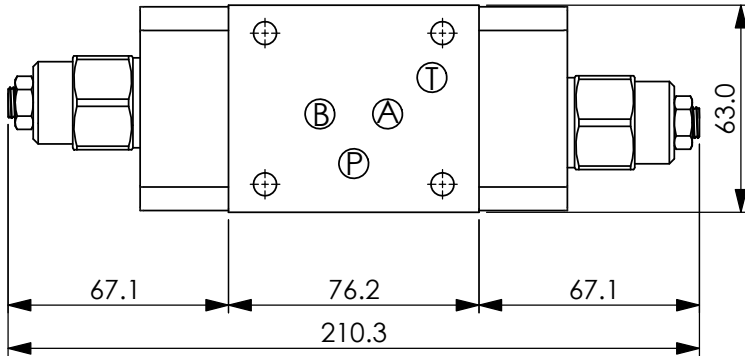


X	SELECTION FOR A PORT CONTROL
22A4	CAVITY ONLY(WITHOUT VALVE)
CWAI	CW22A4AIL (1:1 , 105bar)
CWBF	CW22A4BFL (2:1 , 175bar)
CWCH	CW22A4CHL (3:1 , 280bar)
CWEF	CW22A4EFL (5:1 , 175bar)

Y	SELECTION FOR B PORT CONTROL
22A4	CAVITY ONLY(WITHOUT VALVE)
CWAI	CW22A4AIL (1:1 , 105bar)
CWBF	CW22A4BFL (2:1 , 175bar)
CWCH	CW22A4CHL (3:1 , 280bar)
CWEF	CW22A4EFL (5:1 , 175bar)

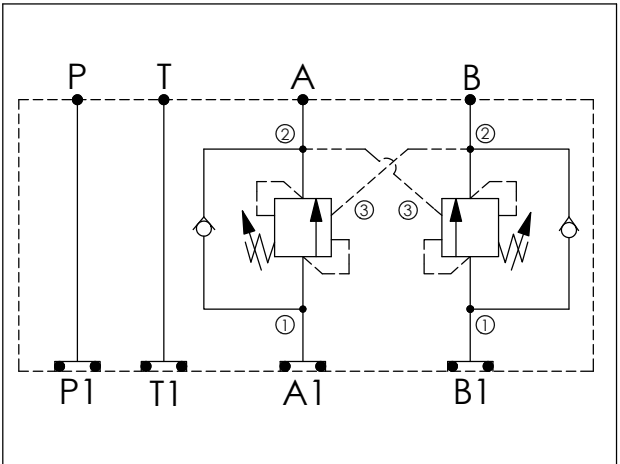
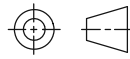
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: **MH05CDW-X-Y-Z 01**
 Stack Height : 49.5mm



O-RING CODE NO.
4KAA014AA001

UNIT:mm



TECHNICAL DATA

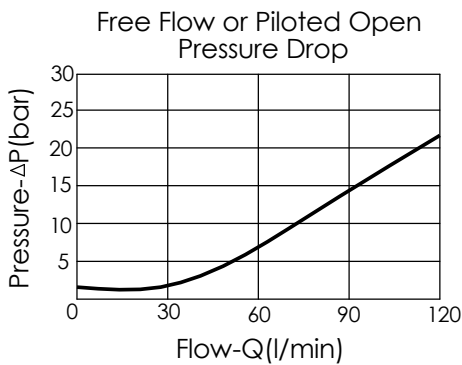
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.85 kg(WITHOUT VALVES) 1.65 kg(INCLUDE VALVES)
Ductile Iron	2.4 kg(WITHOUT VALVES) 3.2 kg(INCLUDE VALVES)

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



X SELECTION FOR A PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CB4J	CB2A34JL (4.5:1 , 350bar)
CB0J	CB2A30JL (10:1 , 350bar)

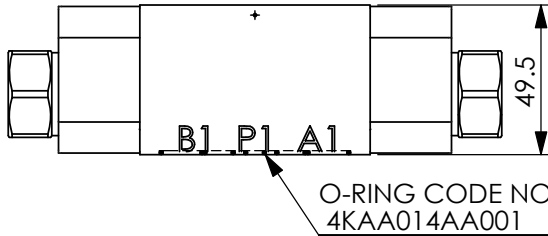
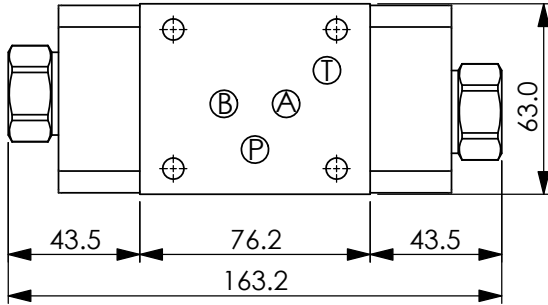
Y SELECTION FOR B PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (3:1 , 280bar)
CB4J	CB2A34JL (4.5:1 , 350bar)
CB0J	CB2A30JL (10:1 , 350bar)

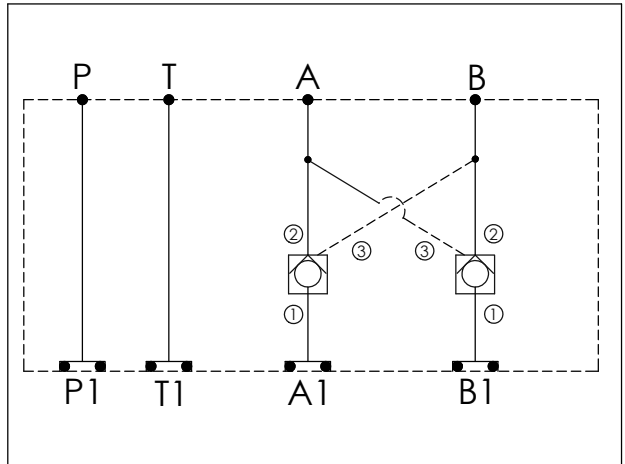
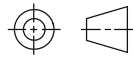
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: **MH05CDW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

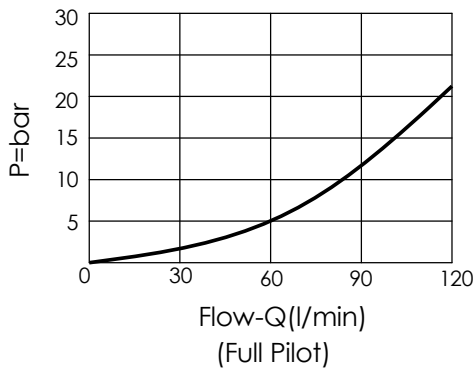
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to CO2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.85 kg(WITHOUT VALVES) 1.35 kg(INCLUDE VALVES)
Ductile Iron	2.4 kg(WITHOUT VALVES) 2.9 kg(INCLUDE VALVES)

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



X SELECTION FOR A PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
CO20	CO2A3020N (120LPM,2.0bar)
CO03	CO2A3003N (120LPM,0.3bar)
CO50	CO2A3050N (120LPM,5.0bar)

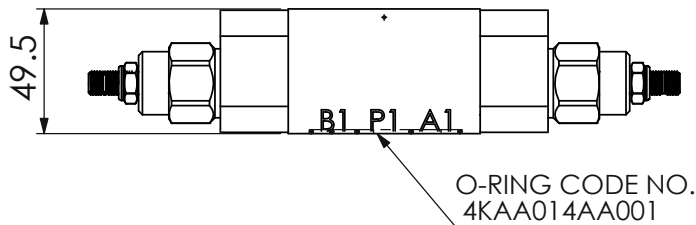
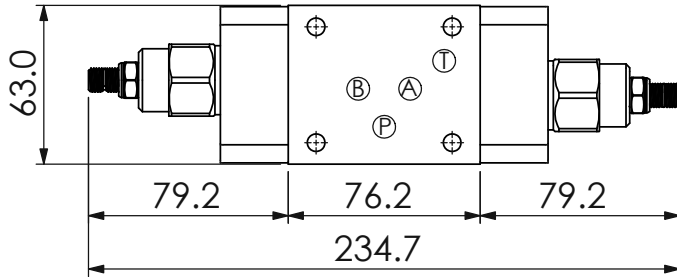
Y SELECTION FOR B PORT CONTROL

2A3	CAVITY ONLY(WITHOUT VALVE)
CO20	CO2A3020N (120LPM,2.0bar)
CO03	CO2A3003N (120LPM,0.3bar)
CO50	CO2A3050N (120LPM,5.0bar)

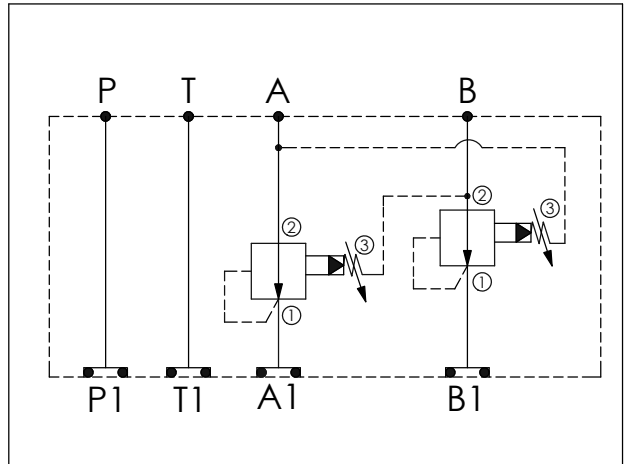
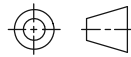
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Ordering Code: MH05CDW-X-Y-Z 01
Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

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

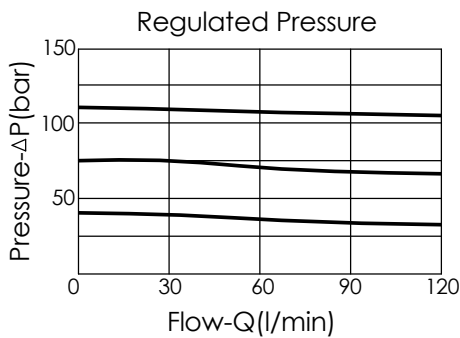
Rated flow: 80 l/min

Cartridge Valve:
 Refer to PB2A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85 kg(WITHOUT VALVES) 1.4 kg(INCLUDE VALVES)
Ductile Iron	2.4 kg(WITHOUT VALVES) 2.95 kg(INCLUDE VALVES)

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



X SELECTION FOR A PORT CONTROL

2A3 CAVITY ONLY(WITHOUT VALVE)

PB0A PB2A30AL (80LPM ,7-210bar)

Y SELECTION FOR B PORT CONTROL

2A3 CAVITY ONLY(WITHOUT VALVE)

PB0A PB2A30AL (80LPM ,7-210bar)

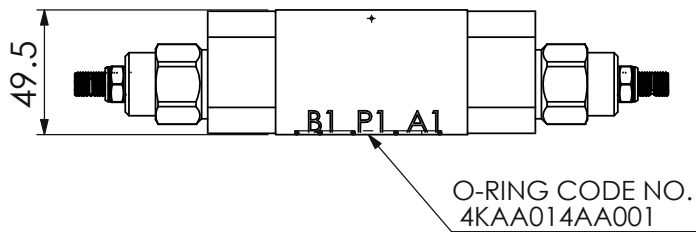
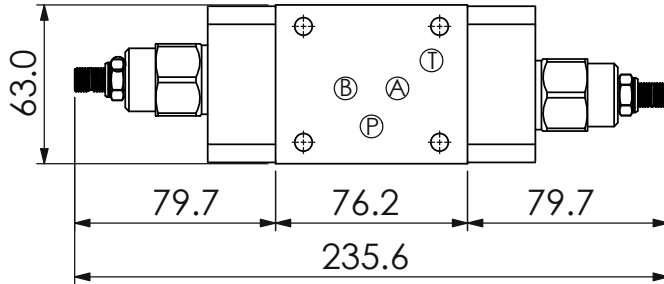
Z BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

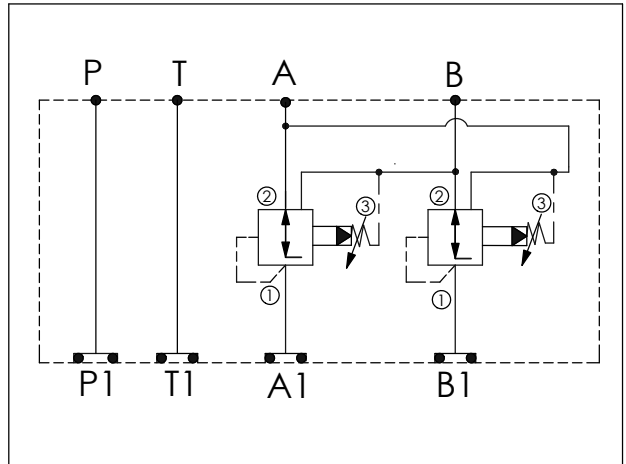
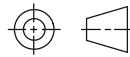
S DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05CDW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

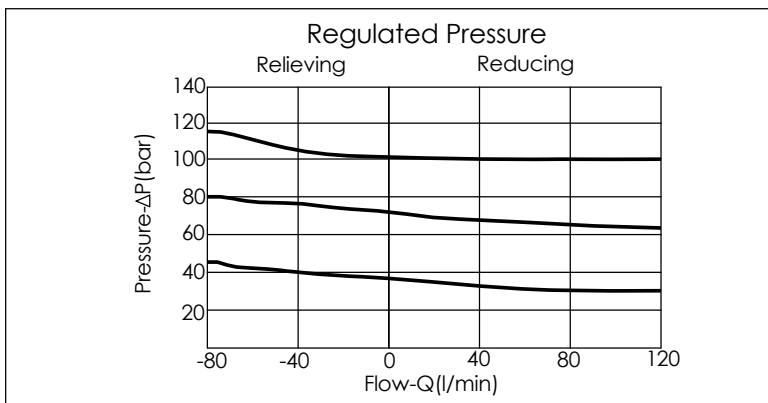
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to PP2A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85 kg(WITHOUT VALVES) 1.4 kg(INCLUDE VALVES)
Ductile Iron	2.4 kg(WITHOUT VALVES) 2.95 kg(INCLUDE VALVES)

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

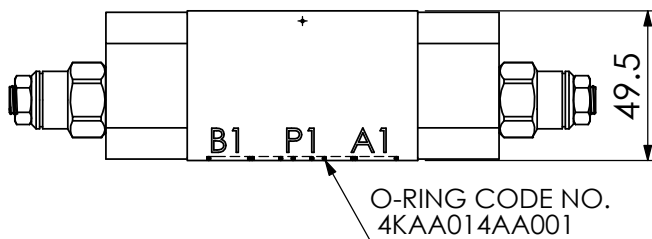
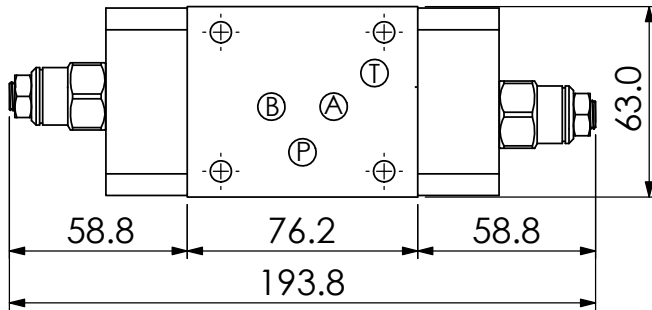


X	SELECTION FOR A PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PP0A	PP2A30AL (80LPM, 7.0~210bar) (Pilot Operated Reducing/Relieving)	

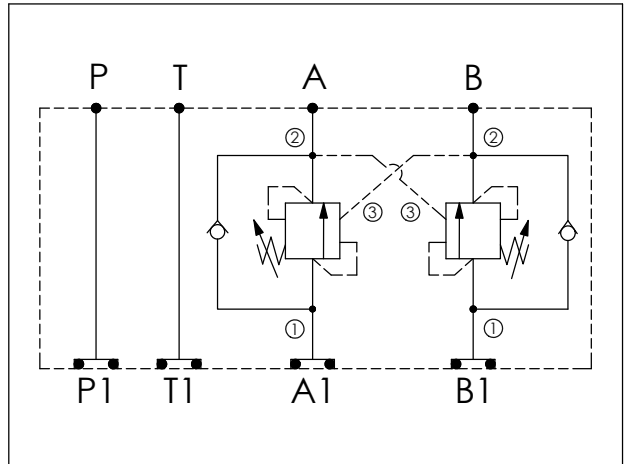
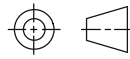
Y	SELECTION FOR B PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PP0A	PP2A30AL (80LPM, 7.0~210bar) (Pilot Operated Reducing/Relieving)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code: **MH05CDW-X-Y-Z 21**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

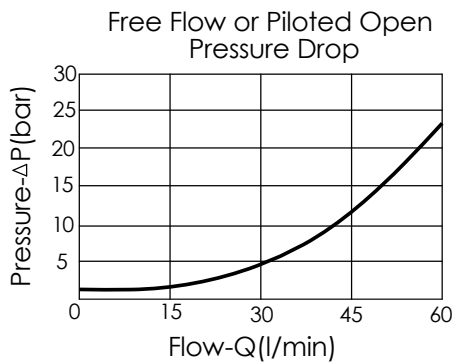
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 60 l/min

Cartridge Valve:
 Refer to CB11A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.35 kg(INCLUDE VALVES)
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* If you need the special specification. Please contact us.



X SELECTION FOR A PORT CONTROL

11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CB4J	CB11A34JL (4.5:1 , 350bar)
CB0J	CB11A30JL (10:1 , 350bar)

Y SELECTION FOR B PORT CONTROL

11A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB11A33HL (3:1 , 280bar)
CB4J	CB11A34JL (4.5:1 , 350bar)
CB0J	CB11A30JL (10:1 , 350bar)

Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM

Ordering Code: **MH05CDW-X-Y-Z 21**

Stack Height : 49.5mm

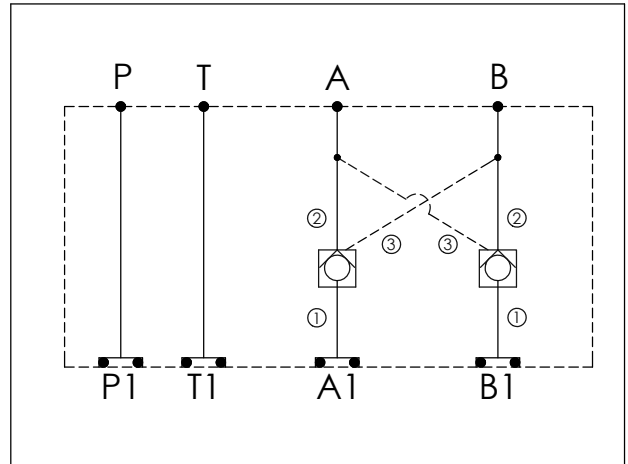
Top View Dimensions: 38.8, 76.2, 38.8, 153.8, 63.0

Side View Dimension: 49.5

Port Labels: P, T, A, B, P1, T1, A1, B1

O-RING CODE NO. 4KAA014AA001

UNIT:mm



TECHNICAL DATA

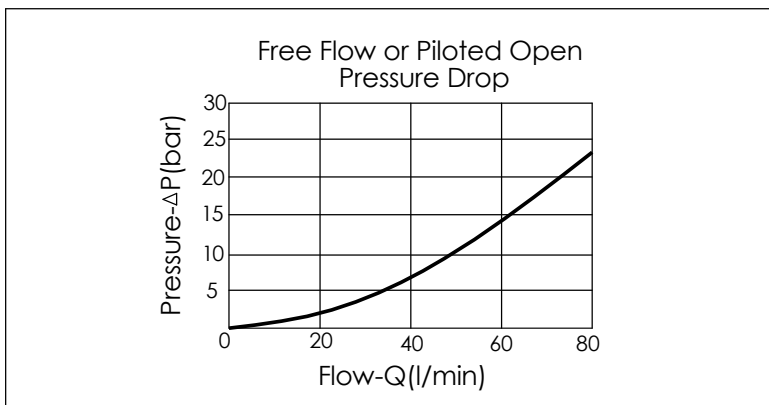
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 60 l/min

Cartridge Valve:
 Refer to CO11A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.25 kg(INCLUDE VALVES)
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* If you need the special specification. Please contact us.



X SELECTION FOR A PORT CONTROL

11A3	CAVITY ONLY (WITHOUT VALVE)
CO20	CO11A3020N (60LPM,2.0bar)
CO03	CO11A3003N (60LPM,0.3bar)
CO50	CO11A3050N (60LPM,5.0bar)

Y SELECTION FOR B PORT CONTROL

11A3	CAVITY ONLY (WITHOUT VALVE)
CO20	CO11A3020N (60LPM,2.0bar)
CO03	CO11A3003N (60LPM,0.3bar)
CO50	CO11A3050N (60LPM,5.0bar)

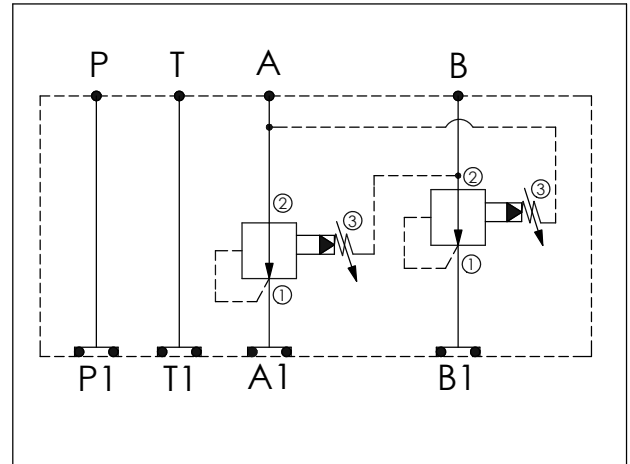
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
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Ordering Code: **MH05CDW-X-Y-Z 21**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

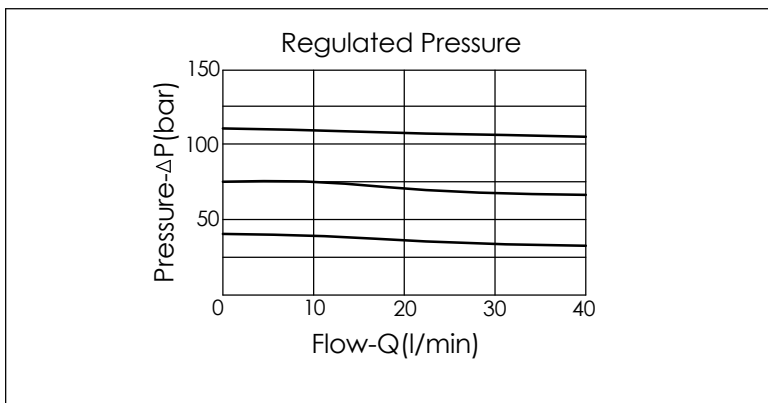
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 40 l/min

Cartridge Valve:
 Refer to PB11A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.3 kg(INCLUDE VALVES)
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* If you need the special specification. Please contact us.



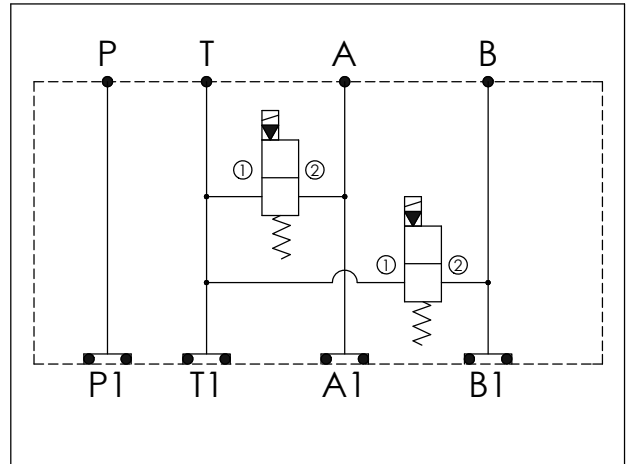
X	SELECTION FOR A PORT CONTROL	
11A3	CAVITY ONLY(WITHOUT VALVE)	
PB0A	PB11A30AL (40LPM ,7-210bar)	

Y	SELECTION FOR B PORT CONTROL	
11A3	CAVITY ONLY(WITHOUT VALVE)	
PB0A	PB11A30AL (40LPM ,7-210bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code:	MH05EDT-X-Y-Z01
Stack Height :	49.5mm

UNIT:mm



TECHNICAL DATA

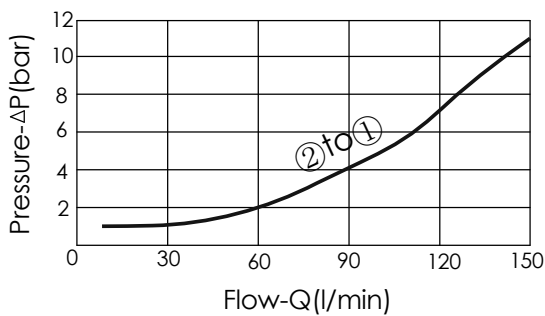
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to EP12W-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.88 kg(WITHOUT VALVES) 1.35 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification. Please contact us.



X SELECTION FOR A PORT CONTROL (REFER TO EP12W-X-Y-Z)

12W2	CAVITY ONLY(WITHOUT VALVE)
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)

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

Y SELECTION FOR B PORT CONTROL (REFER TO EP12W-X-Y-Z)

12W2	CAVITY ONLY(WITHOUT VALVE)
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)

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

Z BODY MATERIAL

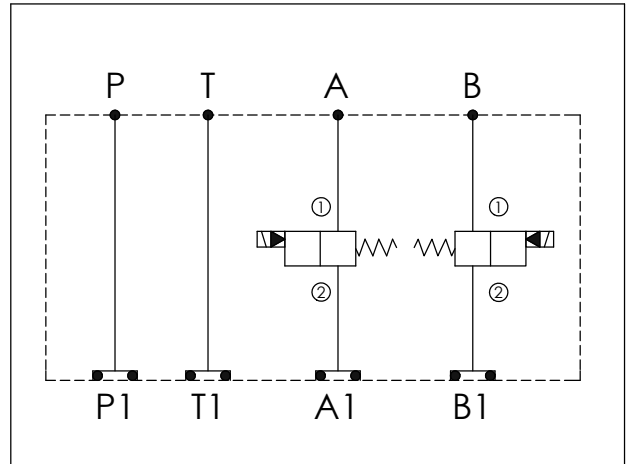
A	HIGH-STRENGTH ALUMINUM
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ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05EDW-X-Y-Z 01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

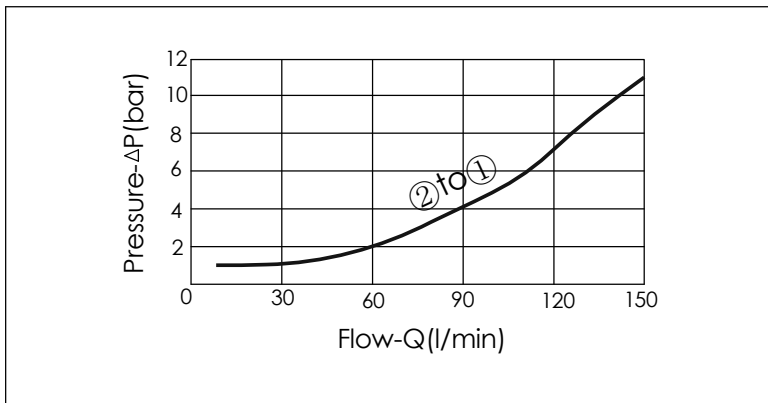
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to EP12W-X-Y-Z
 EP12W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.88 kg(WITHOUT VALVES) 1.35 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification. Please contact us.

Y	SELECTION FOR B PORT CONTROL (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	

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

X	SELECTION FOR A PORT CONTROL (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	

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

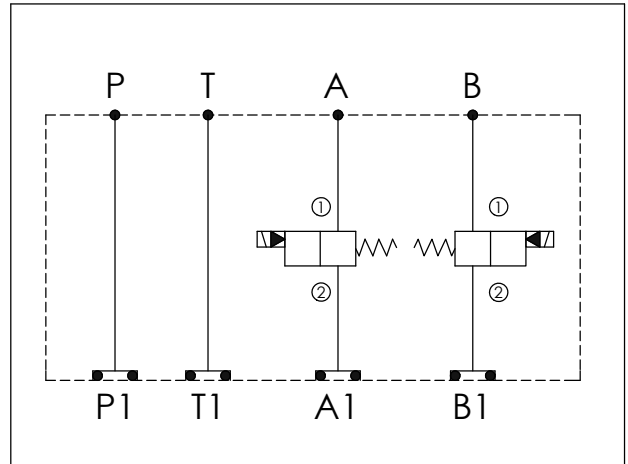
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

ISO 05 SANDWICH MANIFOLD

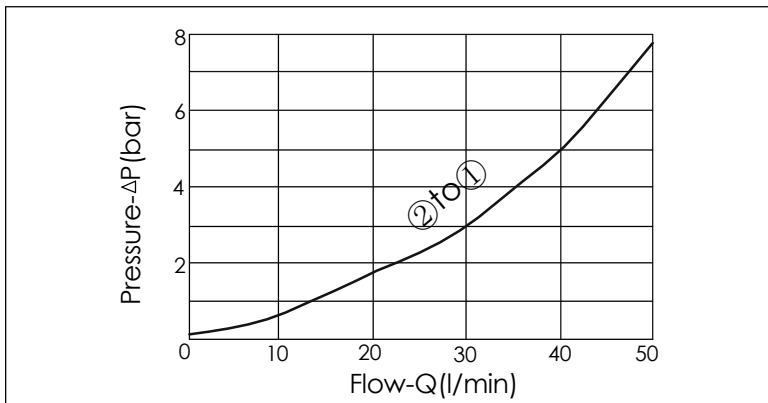
Ordering Code: MH05EDW-X-Y-Z 21	
Stack Height : 49.5mm	

O-RING CODE NO.
4KAA014AA001

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	40 l/min
Cartridge Valve:	Refer to EP08W-X-Y-Z EP08W-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.7 kg(WITHOUT VALVES) 1.0 kg(INCLUDE VALVES , WITHOUT COIL)



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

Y	SELECTION FOR B PORT CONTROL (REFER TO EP08W-X-Y-Z)
08W2	CAVITY ONLY (WITHOUT VALVE)
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)	

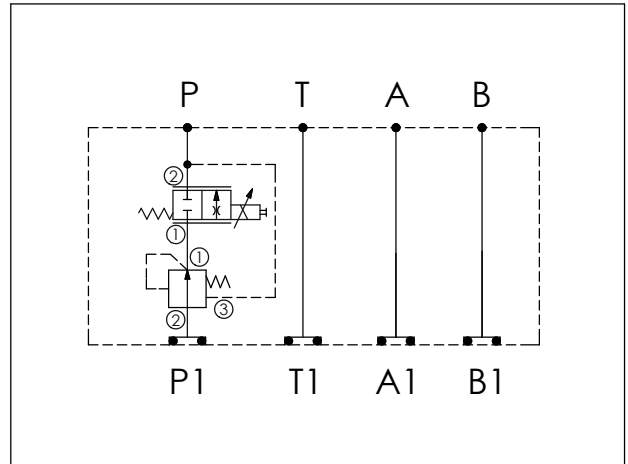
X	SELECTION FOR A PORT CONTROL (REFER TO EP08W-X-Y-Z)
08W2	CAVITY ONLY (WITHOUT VALVE)
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)	

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

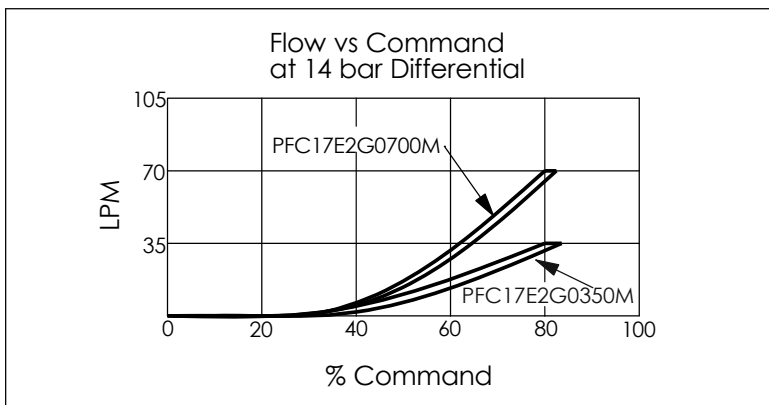
Ordering Code: **MH05EPP-X-Y-Z03**

Stack Height : 63.0mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	70 l/min
Cartridge Valve:	Refer to LP2A-X-Y-Z PFC17E-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.95 kg(WITHOUT VALVES) 1.6 kg(INCLUDE VALVES ,WITHOUT COIL)
* If you need the special specification. Please contact us.	



Y	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC17E-X-Y-Z)
17E2	CAVITY ONLY(WITHOUT VALVE)
PFC35	PFC17E2G0350M(35LPM)
PFC70	PFC17E2G0700M(70LPM)

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-23C-X-Y-Z)

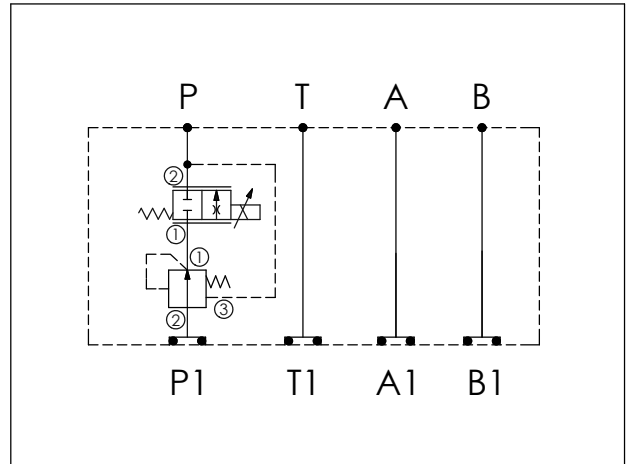
X	SELECTION FOR COMPENSATOR
2A3	CAVITY ONLY(WITHOUT VALVE)
LP140	LP2A30140N(120LPM,14.0bar)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Ordering Code: **MH05EPP-X-Y-Z03**

Stack Height : 63.0mm

UNIT:mm



TECHNICAL DATA

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

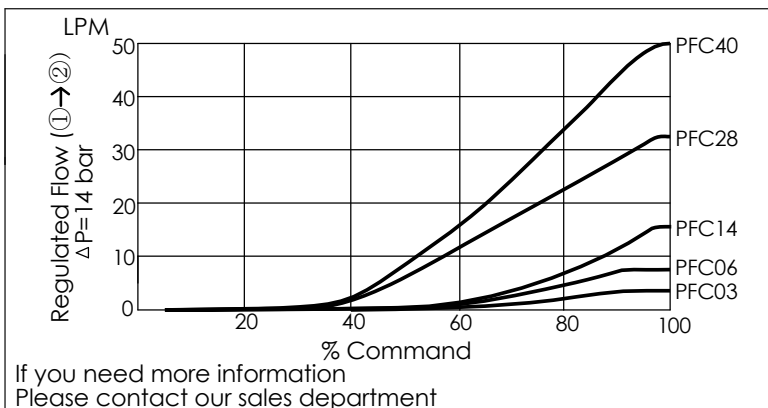
Rated flow: 40 l/min

Cartridge Valve:
 Refer to LP11A-X-Y-Z
 PFC13A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.5 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification.
 Please contact us.



Y	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)
13A2	CAVITY ONLY(WITHOUT VALVE)
PFC03	PFC13A2D0030N(0.3~3LPM)
PFC06	PFC13A2D0060N(0.4~6LPM)
PFC14	PFC13A2D0140N(0.6~14LPM)
PFC28	PFC13A2D0280N(0.8~28LPM)
PFC40	PFC13A2D0400N(1.0~40LPM)

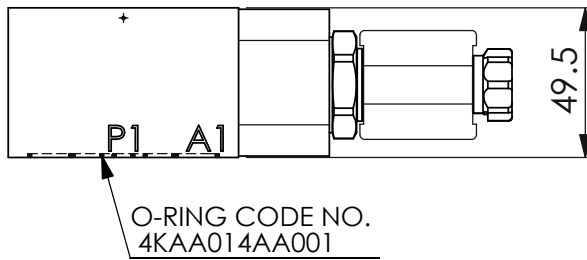
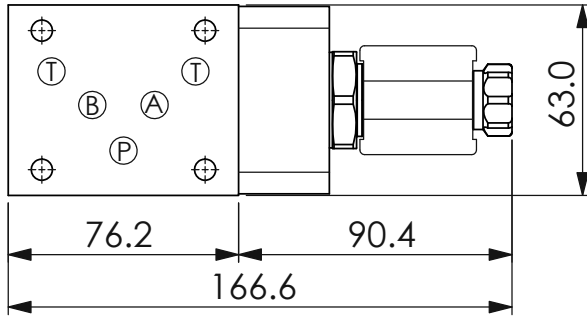
COIL MUST BE ORDERED SEPARATELY
 (REFER TO EC-19A-X-Y-Z)

X	SELECTION FOR COMPENSATOR
11A3	CAVITY ONLY(WITHOUT VALVE)
LP140	LP11A30140N(60LPM,14.0bar)

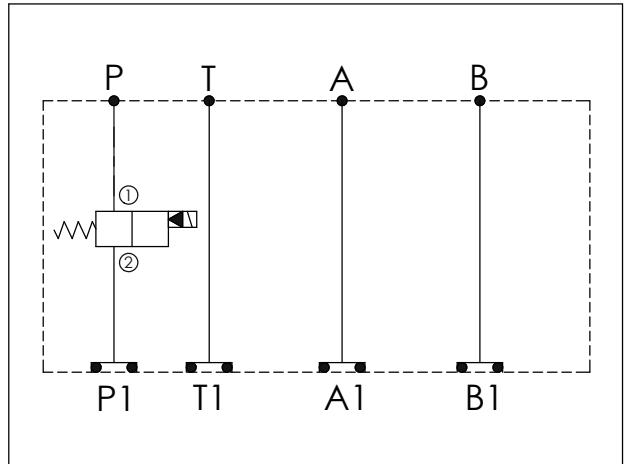
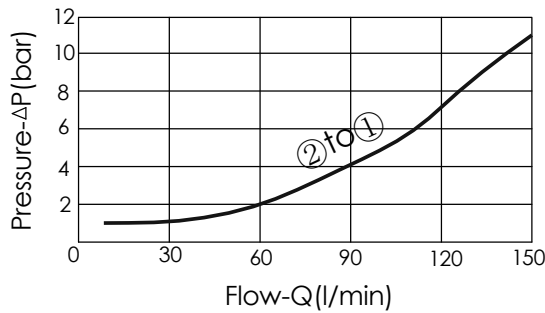
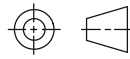
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: MH05EPW-X-Y-Z01
Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

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

Rated flow: 80 l/min

Cartridge Valve:
 Refer to EP12W-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT VALVE) 0.95 kg(INCLUDE VALVE, WITHOUT COIL)
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* If you need the special specification. Please contact us.

Y	SELECTION FOR G PORT
N	WITHOUT PORT

X	SELECTION FOR P PORT CONTROL (REFER TO EP12W-X-Y-Z)
12W2	CAVITY ONLY(WITHOUT VALVE)
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)

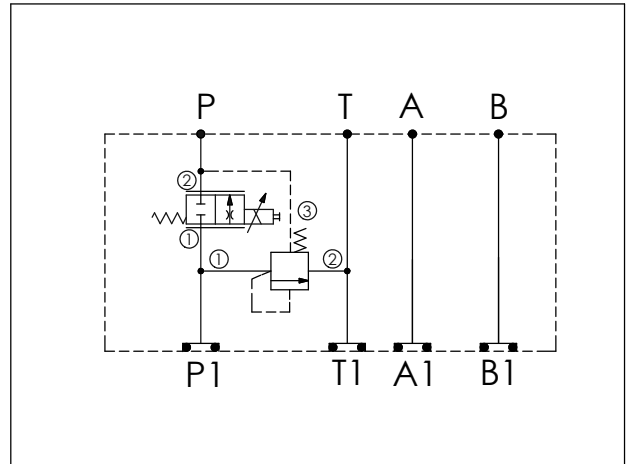
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

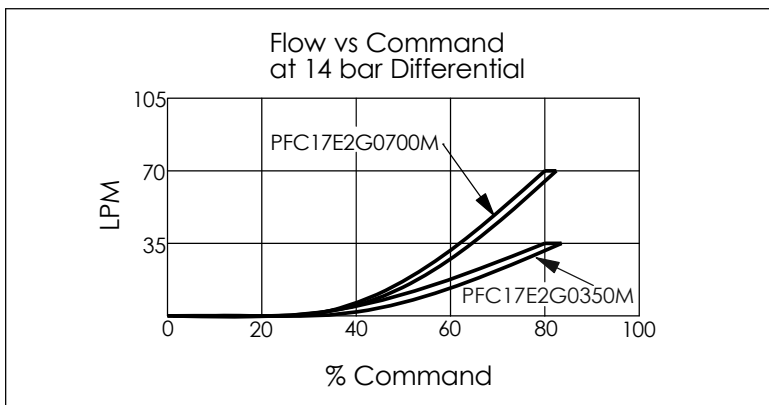
Ordering Code: **MH05ERW-X-Y-Z03**

Stack Height : 63.0mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	70 l/min
Cartridge Valve:	Refer to LR2A-X-Y-Z PFC17E-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.95 kg(WITHOUT VALVES) 1.6 kg(INCLUDE VALVES ,WITHOUT COIL)
* If you need the special specification. Please contact us.	



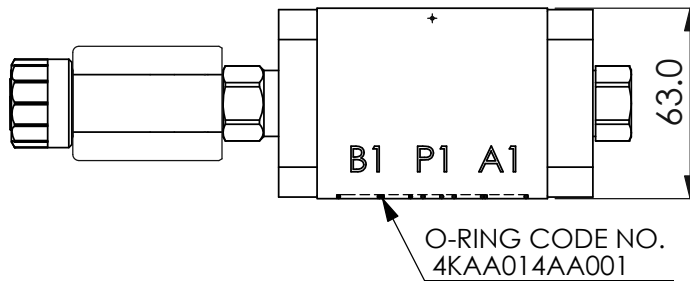
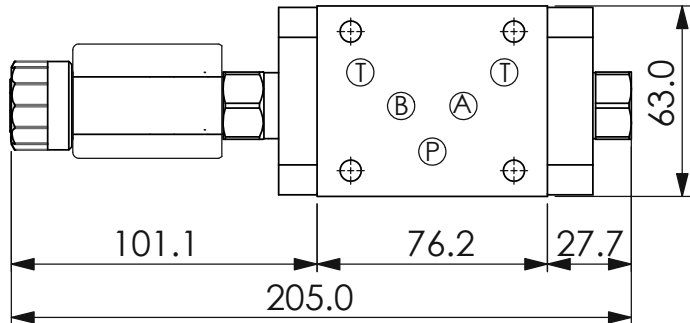
Y	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC17E-X-Y-Z)
17E2	CAVITY ONLY(WITHOUT VALVE)
PFC35	PFC17E2G0350M(35LPM)
PFC70	PFC17E2G0700M(70LPM)

X	SELECTION FOR COMPENSATOR
2A3	CAVITY ONLY(WITHOUT VALVE)
LR140	LR2A30140N(120LPM,14.0bar)

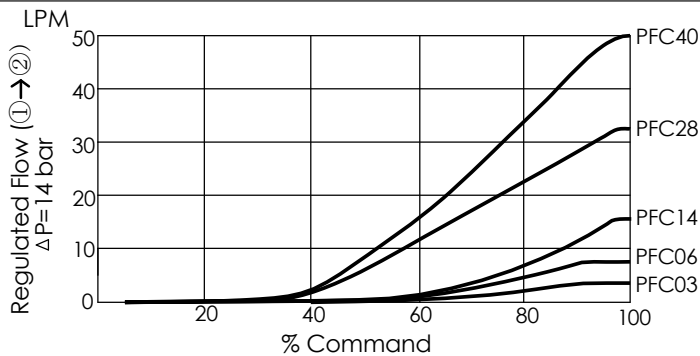
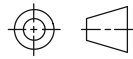
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-23C-X-Y-Z)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

Ordering Code: MH05ERW-X-Y-Z03
Stack Height : 63.0mm

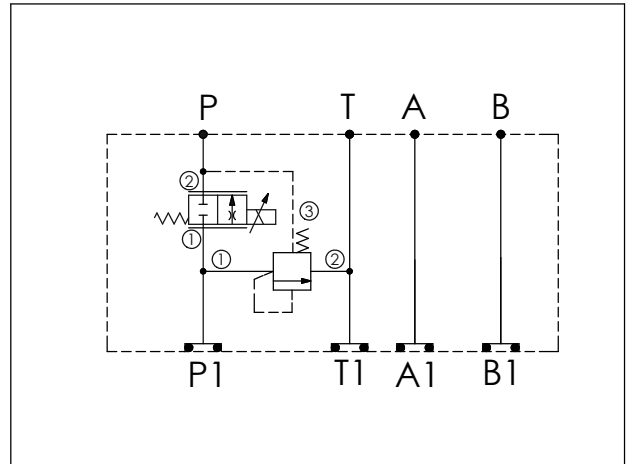


UNIT:mm



If you need more information
Please contact our sales department

Y	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)
13A2	CAVITY ONLY(WITHOUT VALVE)
PFC03	PFC13A2D0030N(0.3~3LPM)
PFC06	PFC13A2D0060N(0.4~6LPM)
PFC14	PFC13A2D0140N(0.6~14LPM)
PFC28	PFC13A2D0280N(0.8~28LPM)
PFC40	PFC13A2D0400N(1.0~40LPM)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-19A-X-Y-Z)	



TECHNICAL DATA

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

Rated flow: 40 l/min

Cartridge Valve:
Refer to LR11A-X-Y-Z
PFC13A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.5 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification.
Please contact us.

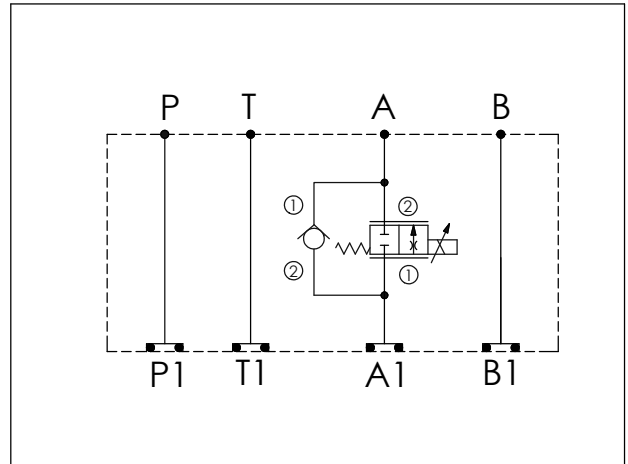
X	SELECTION FOR COMPENSATOR
11A3	CAVITY ONLY(WITHOUT VALVE)
LR140	LR11A30140N(60LPM,14.0bar)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

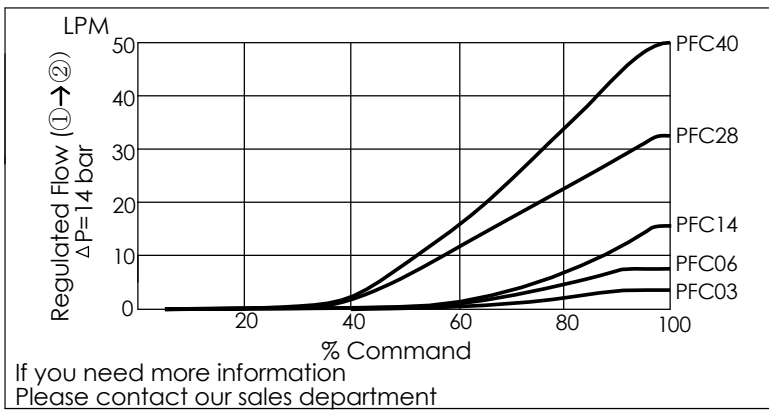
Ordering Code: **MH05FAD-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	40 l/min
Cartridge Valve:	Refer to CV13A-X-Y-Z PFC13A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.8 kg(WITHOUT VALVES) 1.45 kg(INCLUDE VALVES ,WITHOUT COIL)



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

Y	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)
13A2	CAVITY ONLY(WITHOUT VALVE)
PFC03	PFC13A2D0030N(0.3~3LPM)
PFC06	PFC13A2D0060N(0.4~6LPM)
PFC14	PFC13A2D0140N(0.6~14LPM)
PFC28	PFC13A2D0280N(0.8~28LPM)
PFC40	PFC13A2D0400N(1.0~40LPM)

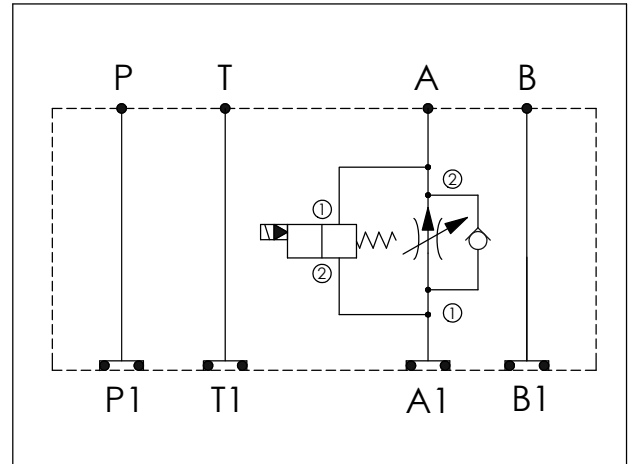
X	SELECTION FOR COMPENSATOR
13A2	CAVITY ONLY(WITHOUT VALVE)
CV20	CV13A2020N(80LPM,2.0bar)

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

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

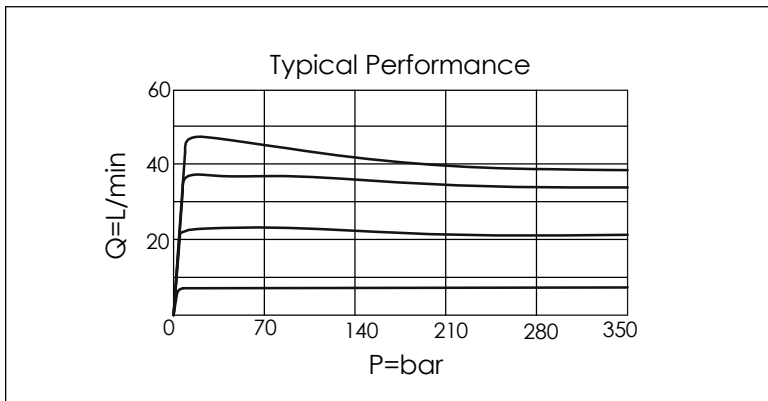
Ordering Code: MH05FAE-X-Y-Z03	
Stack Height : 63.0mm	

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	45 l/min (Pressure Compensated)
Cartridge Valve:	Refer to FR5A-X-Y-Z EP12W-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	1.05 kg(WITHOUT VALVES) 1.55 kg(INCLUDE VALVES ,WITHOUT COIL)

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



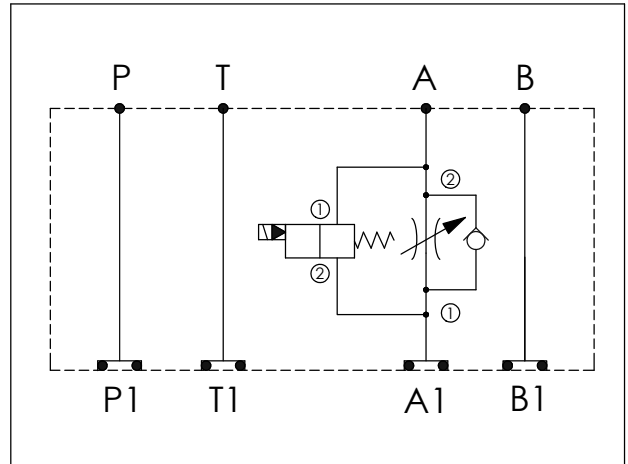
X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR5A20AL (45 LPM , 350bar)	

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code:	MH05FAE-X-Y-Z03
Stack Height :	63.0mm

Technical drawing showing front and side views of the ISO 05 sandwich manifold. Dimensions are provided in millimeters (mm). The front view shows a total length of 239.9 mm, with segments of 82.6 mm, 76.2 mm, and 81.1 mm. The stack height is 63.0 mm. Ports are labeled P, T, A, B on the top and P1, T1, A1, B1 on the bottom. The side view shows ports B1, P1, and A1. An O-RING CODE NO. 4KAA014AA001 is indicated. The unit is mm.



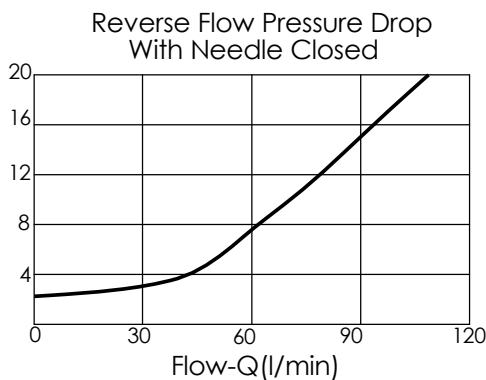
TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 80 l/min

Cartridge Valve:
 Refer to NC5A-X-Y-Z
 EP12W-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	1.05 kg(WITHOUT VALVES) 1.55 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification. Please contact us.



X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

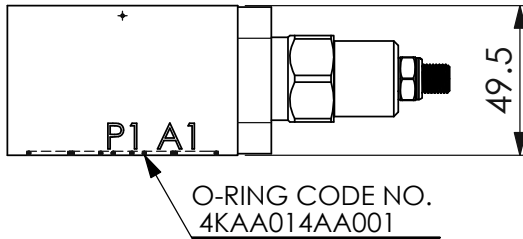
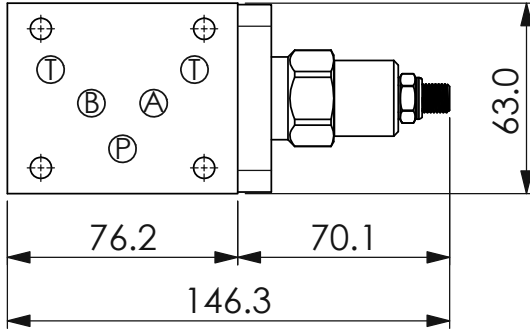
Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

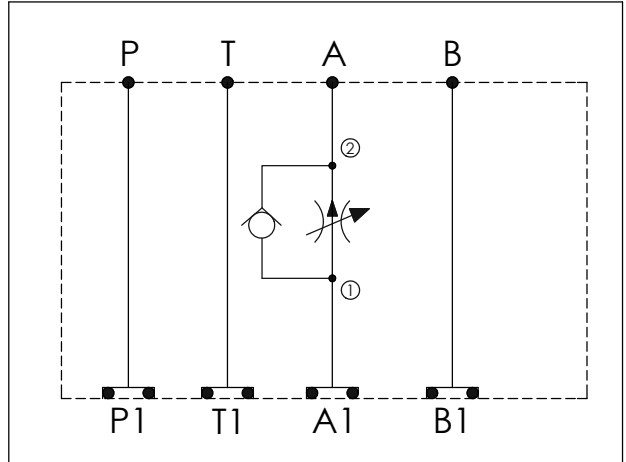
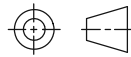
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FAO-X-Y-Z 01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 45 l/min
(Pressure Compensated)

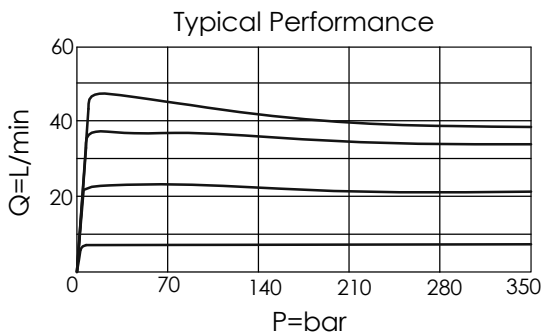
Cartridge Valve:

Refer to FR5A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.6 kg(WITHOUT VALVE) 0.87 kg(INCLUDE VALVE)
Ductile Iron	1.76 kg(WITHOUT VALVE) 2.03 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

5A2 CAVITY ONLY(WITHOUT VALVE)

FR0A FR5A20AL (45 LPM , 350bar)

Y SELECTION FOR B PORT CONTROL

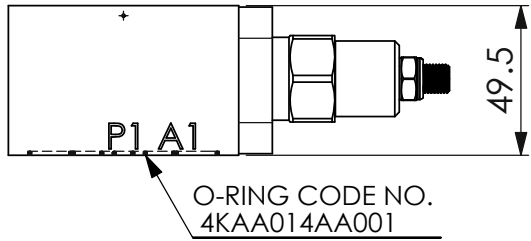
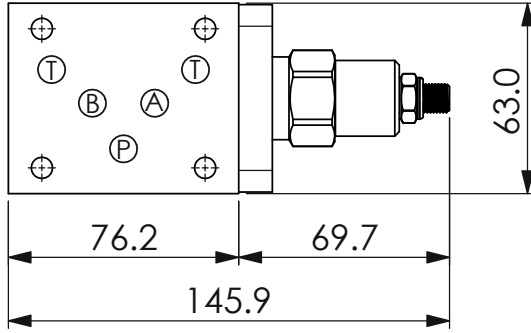
N WITHOUT PORT

Z BODY MATERIAL

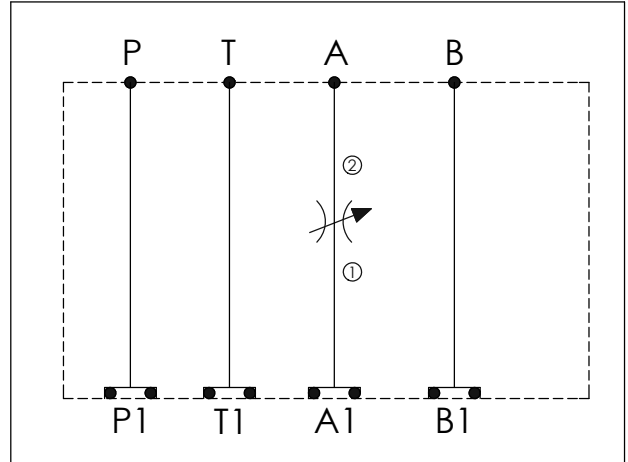
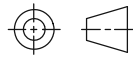
A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

Ordering Code: **MH05FAO-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

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

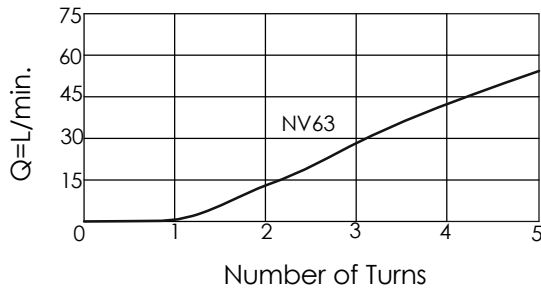
Rated flow: 80 l/min

Cartridge Valve:
 Refer to NV5A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.6 kg(WITHOUT VALVE) 0.87 kg(INCLUDE VALVE)
Ductile Iron	1.76 kg(WITHOUT VALVE) 2.03 kg(INCLUDE VALVE)

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

Adjustment Sensitivity at 7 bar Differential



X SELECTION FOR A PORT CONTROL

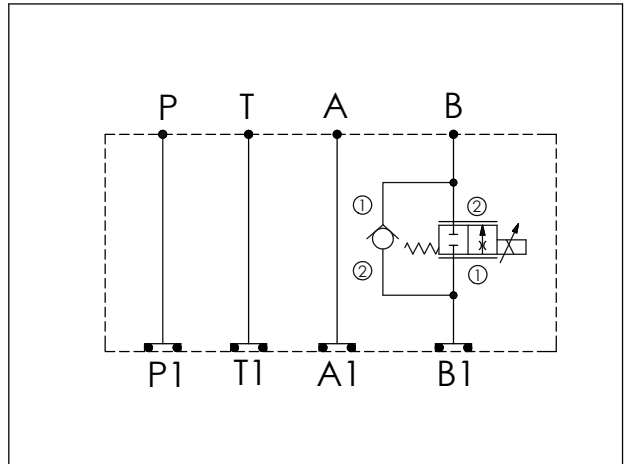
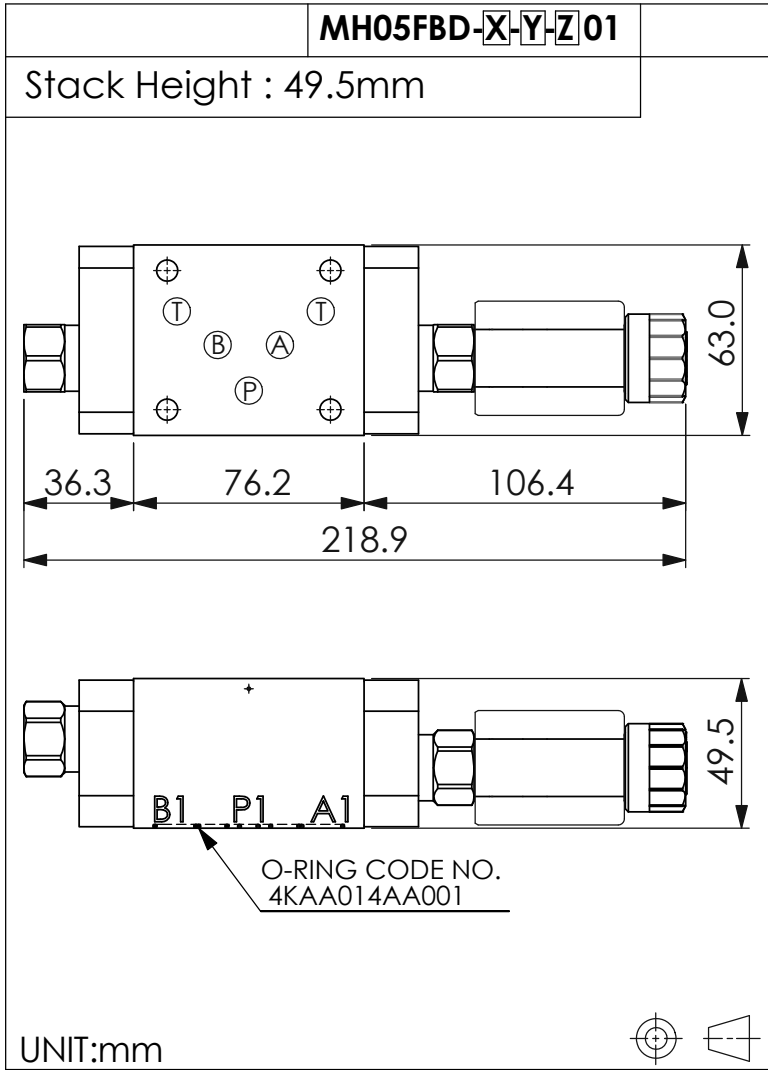
5A2	CAVITY ONLY(WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

Y SELECTION FOR B PORT CONTROL

N	WITHOUT PORT	

Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	



TECHNICAL DATA

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

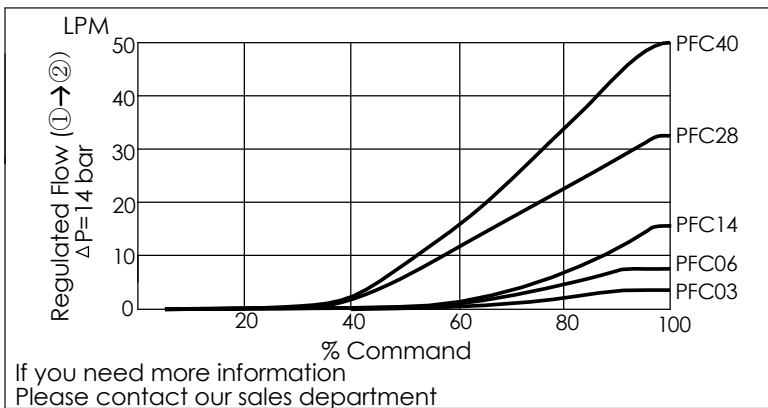
Rated flow: 40 l/min

Cartridge Valve:
 Refer to PFC13A-X-Y-Z
 CV13A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES) 1.45 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification. Please contact us.



Y	SELECTION FOR CHECK VALVE	
13A2	CAVITY ONLY(WITHOUT VALVE)	
CV20	CV13A2020N (80LPM,2.0bar)	

X	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)	
13A2	CAVITY ONLY(WITHOUT VALVE)	
PFC03	PFC13A2D0030N(0.3~3LPM)	
PFC06	PFC13A2D0060N(0.4~6LPM)	
PFC14	PFC13A2D0140N(0.6~14LPM)	
PFC28	PFC13A2D0280N(0.8~28LPM)	
PFC40	PFC13A2D0400N(1.0~40LPM)	

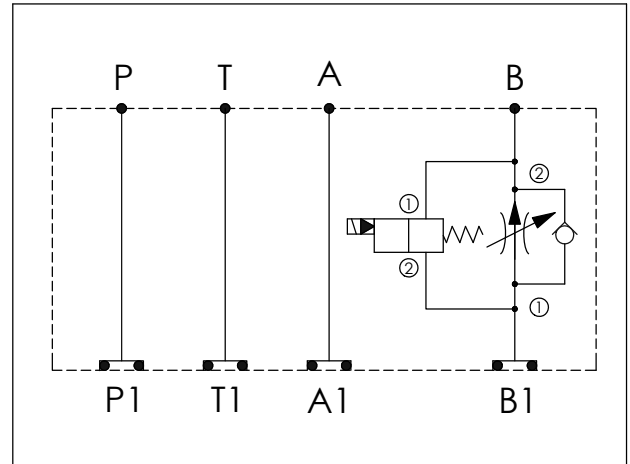
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-19A-X-Y-Z)

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05FBE-X-Y-Z03**

Stack Height : 63.0mm

UNIT:mm



TECHNICAL DATA

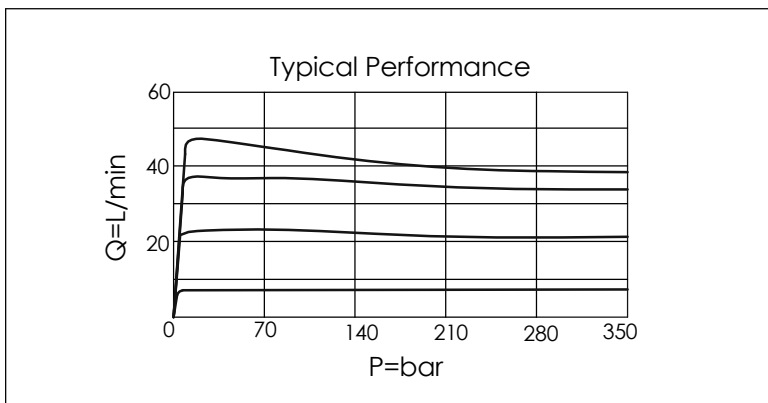
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 45 l/min (Pressure Compensated)

Cartridge Valve:
 Refer to FR5A-X-Y-Z
 EP12W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.05 kg(WITHOUT VALVES) 1.55 kg(INCLUDE VALVES ,WITHOUT COIL)
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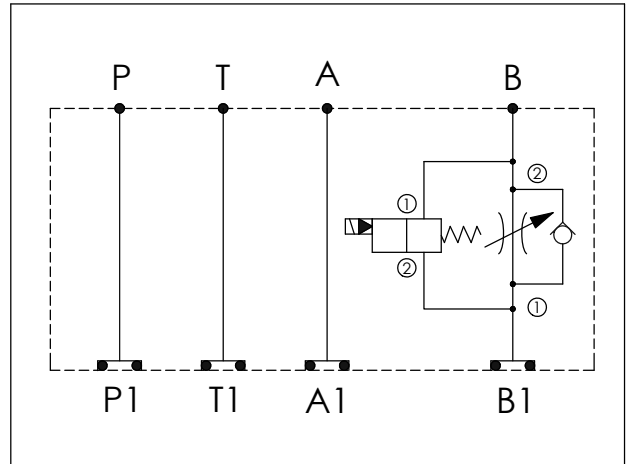
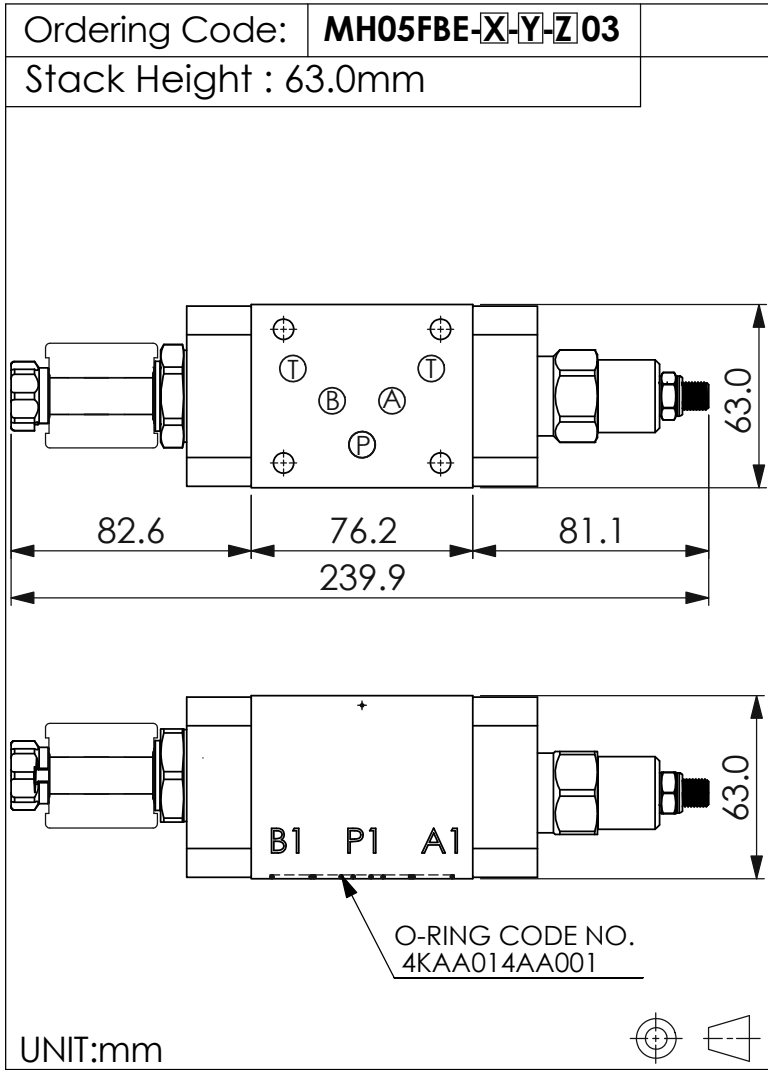
* If you need the special specification. Please contact us.



X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR5A20AL (45 LPM , 350bar)	

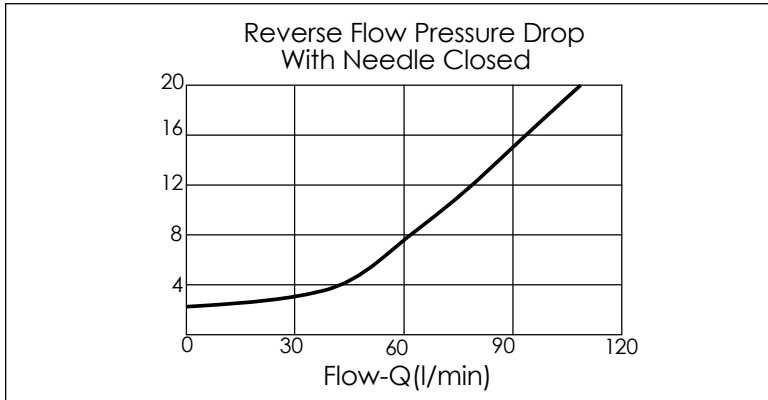
Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	80 l/min
Cartridge Valve: Refer to NC5A-X-Y-Z EP12W-X-Y-Z	
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	1.05 kg(WITHOUT VALVES) 1.55 kg(INCLUDE VALVES ,WITHOUT COIL)

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



Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)
12W2	CAVITY ONLY (WITHOUT VALVE)
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)	

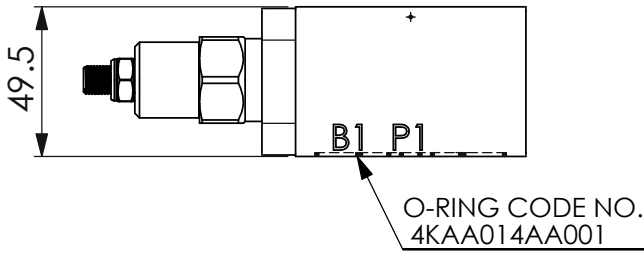
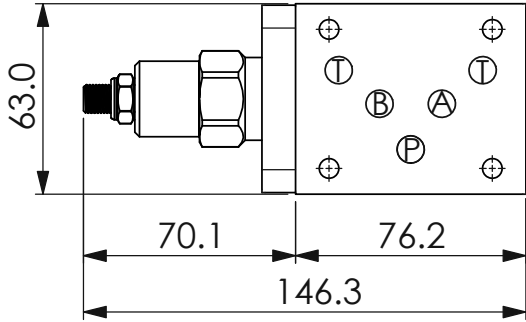
X	SELECTION FOR FLOW CONTROL
5A2	CAVITY ONLY (WITHOUT VALVE)
NCBC	NC5A21BCL (2.0bar)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

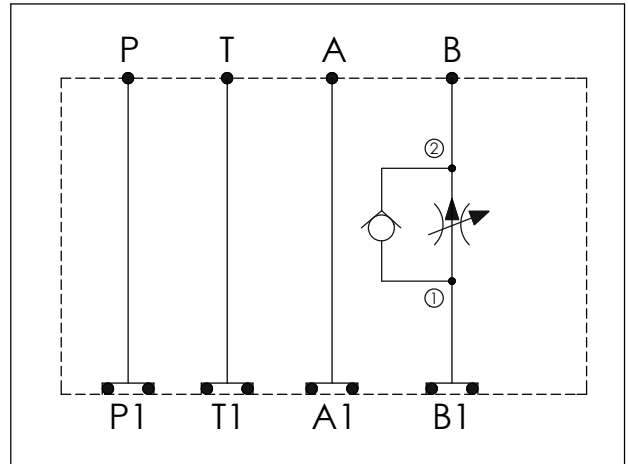
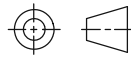
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FBO-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 45 l/min
(Pressure Compensated)

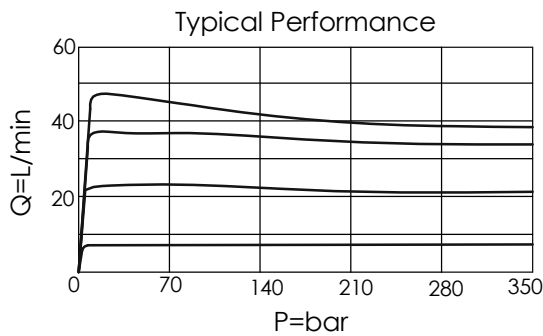
Cartridge Valve:
Refer to FR5A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.61 kg(WITHOUT VALVE)
	0.88 kg(INCLUDE VALVE)

Ductile Iron	1.77 kg(WITHOUT VALVE)
	2.04 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

N WITHOUT PORT

Y SELECTION FOR B PORT CONTROL

5A2 CAVITY ONLY(WITHOUT VALVE)

FR0A FR5A20AL (45 LPM , 350bar)

Z BODY MATERIAL

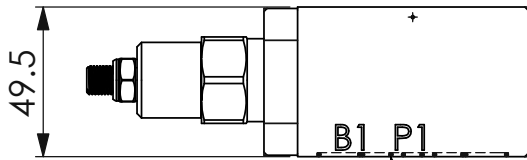
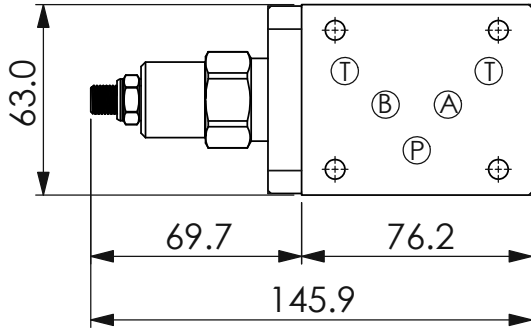
A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

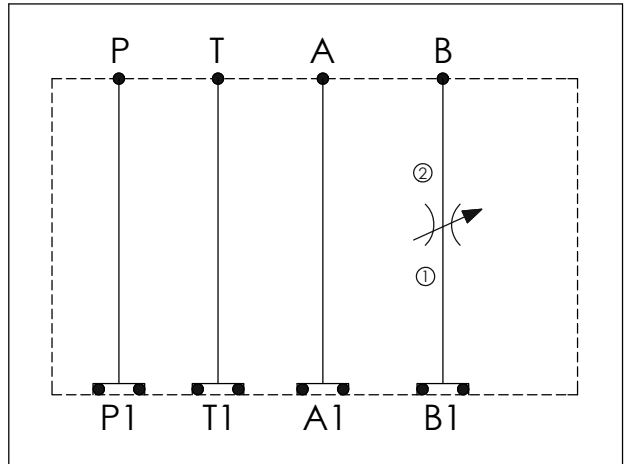
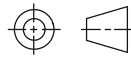
Ordering Code: **MH05FBO-X-Y-Z01**

Stack Height : 49.5mm



O-RING CODE NO.
4KAA014AA001

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron
Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to NV5A-X-Y-Z

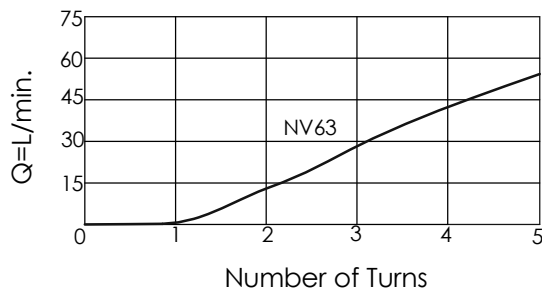
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.61 kg(WITHOUT VALVE)
	0.87 kg(INCLUDE VALVE)

Ductile Iron	1.77 kg(WITHOUT VALVE)
	2.04 kg(INCLUDE VALVE)

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

Adjustment Sensitivity at 7 bar Differential



X SELECTION FOR A PORT CONTROL

N WITHOUT PORT

Y SELECTION FOR B PORT CONTROL

5A2 CAVITY ONLY(WITHOUT VALVE)

NV63 NV5A2063L (350bar)

Z BODY MATERIAL

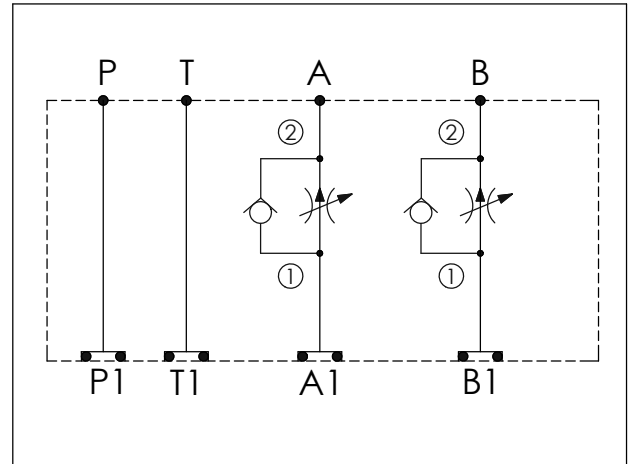
A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

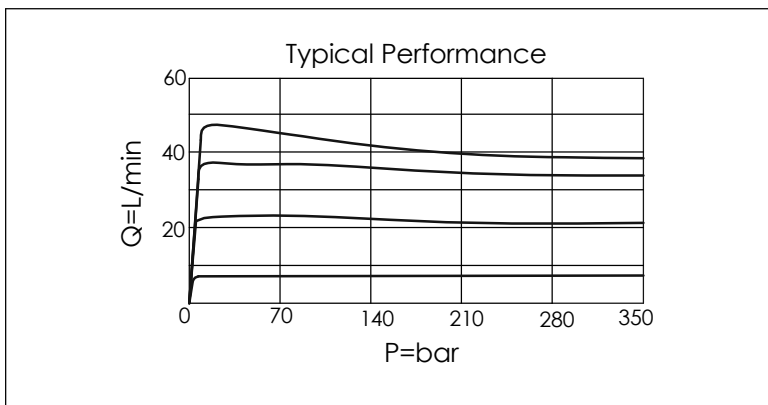
ISO 05 SANDWICH MANIFOLD

Ordering Code:	MH05FDO-X-Y-Z01
Stack Height :	49.5mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	45 l/min (Pressure Compensated)
Cartridge Valve:	Refer to FR5A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.73 kg(WITHOUT VALVES) 1.27 kg(INCLUDE VALVES)
Ductile Iron	2.13 kg(WITHOUT VALVES) 2.67 kg(INCLUDE VALVES)
* If you need the special specification. Please contact us.	



X	SELECTION FOR A PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
FR0A	FR5A20AL (45 LPM , 350bar)

Y	SELECTION FOR B PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
FR0A	FR5A20AL (45 LPM , 350bar)

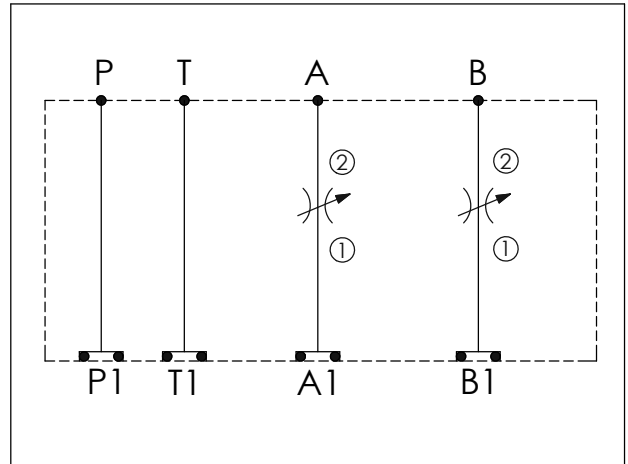
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FDO-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

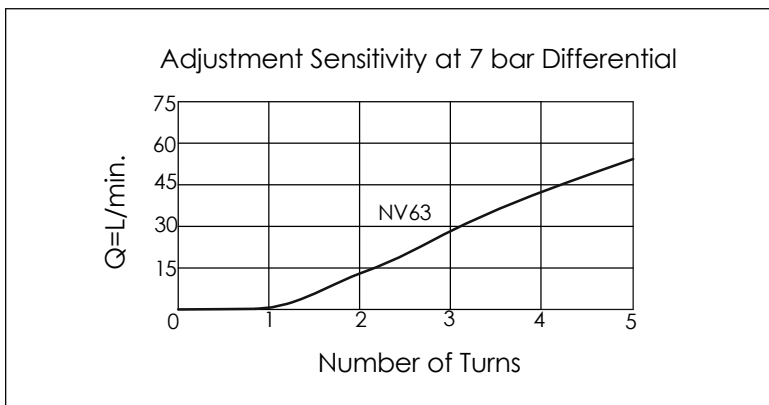
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to NV5A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.73 kg(WITHOUT VALVES) 1.25 kg(INCLUDE VALVES)
Ductile Iron	2.13 kg(WITHOUT VALVES) 2.65 kg(INCLUDE VALVES)

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



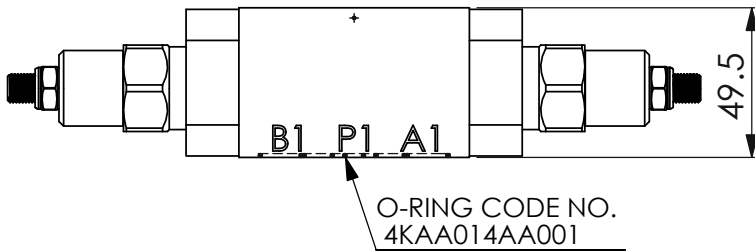
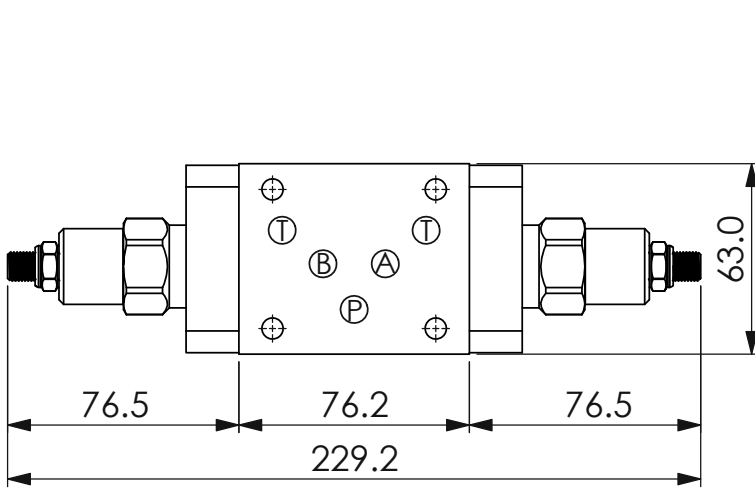
X	SELECTION FOR A PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
NV63	NV5A2063L (350bar)

Y	SELECTION FOR B PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
NV63	NV5A2063L (350bar)

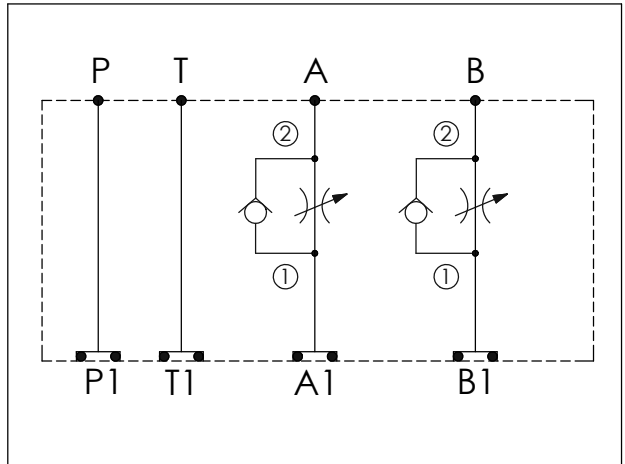
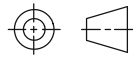
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FDO-X-Y-Z01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

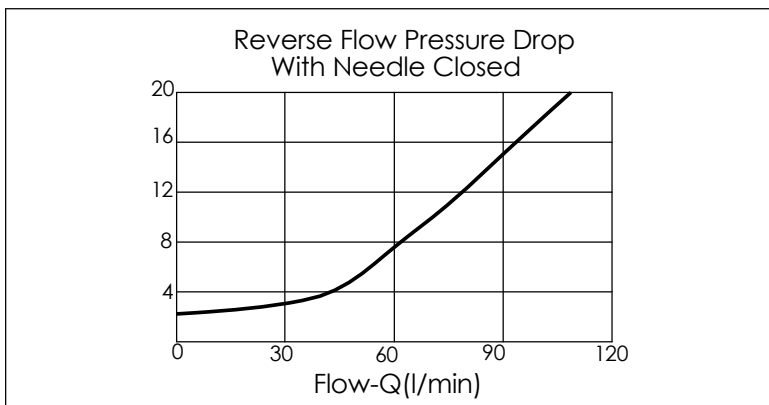
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to NC5A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.73 kg(WITHOUT VALVES) 1.27 kg(INCLUDE VALVES)
Ductile Iron	2.13 kg(WITHOUT VALVES) 2.67 kg(INCLUDE VALVES)

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



X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FDT-X-Y-Z 02**

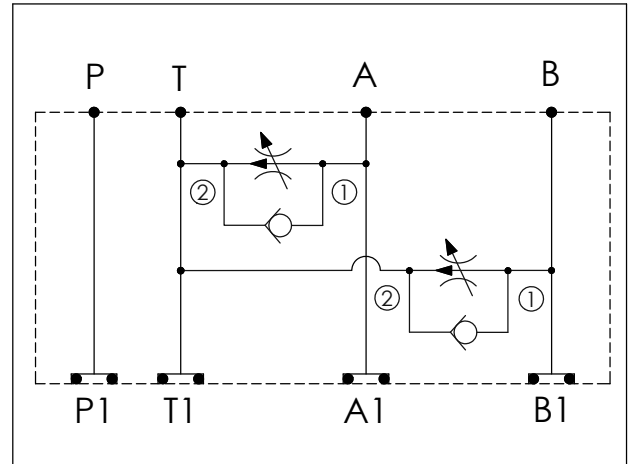
Stack Height : 40.0mm

Dimensions:
 Total length: 232.2 mm
 Port spacing (P to T): 78.0 mm
 Port spacing (T to A): 76.2 mm
 Port spacing (A to B): 78.0 mm
 Body diameter: 63.0 mm
 Stack height: 40.0 mm

Port labels: P, T, A, B (top view); P1, T1, A1, B1 (bottom view)

O-RING CODE NO. 4KAA014AA001

UNIT:mm

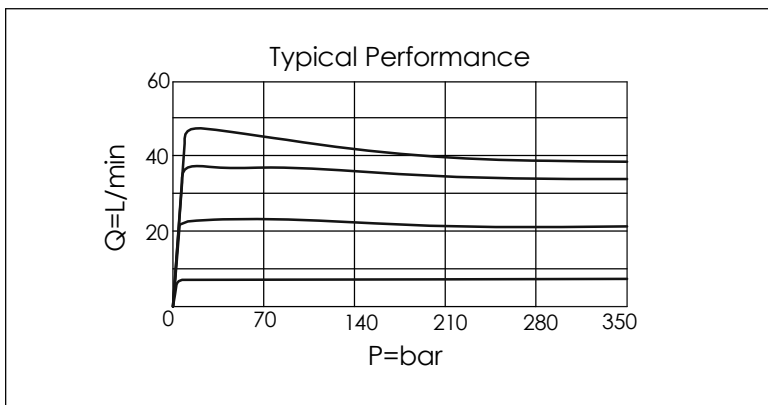


TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 45 l/min (Pressure Compensated)
 Cartridge Valve: Refer to FR5A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.6 kg(WITHOUT VALVES) 1.2 kg(INCLUDE VALVES)
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* If you need the special specification. Please contact us.



X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR5A20AL(45 LPM , 350bar)	

Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR5A20AL (45 LPM , 350bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FDT-X-Y-Z02**

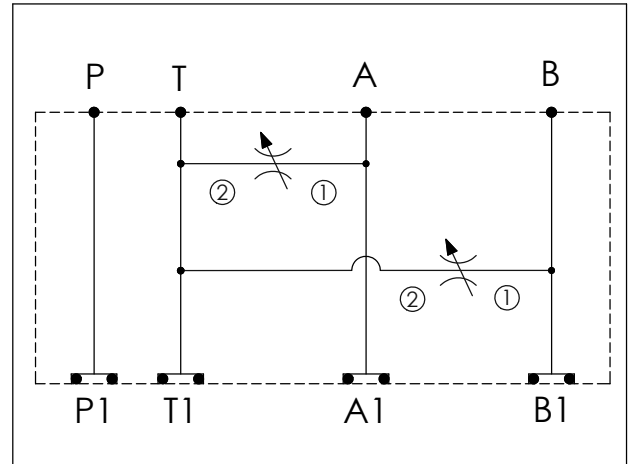
Stack Height : 40.0mm

Dimensions:
 Total length: 231.5 mm
 Port offset from ends: 77.6 mm
 Port spacing: 76.2 mm
 Body diameter: 63.0 mm
 Stack height: 40.0 mm

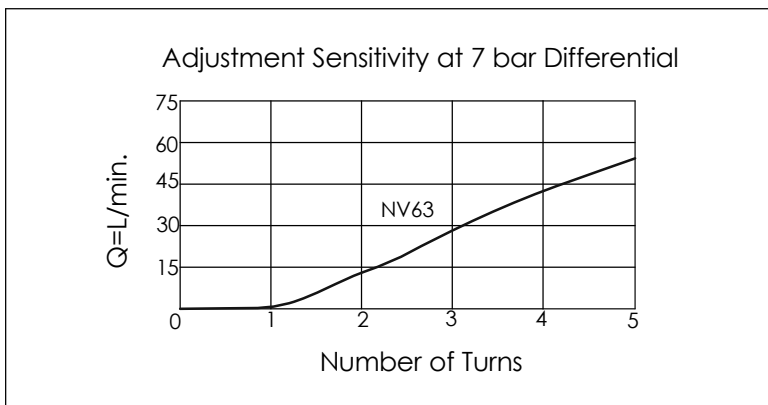
Ports: P, T, A, B (top view); P1, T1, A1, B1 (bottom view)

O-RING CODE NO. 4KAA014AA001

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	80 l/min
Cartridge Valve: Refer to NV5A-X-Y-Z	
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.6 kg(WITHOUT VALVES) 1.2 kg(INCLUDE VALVES)
* If you need the special specification. Please contact us.	



X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05FDT-X-Y-Z 02**

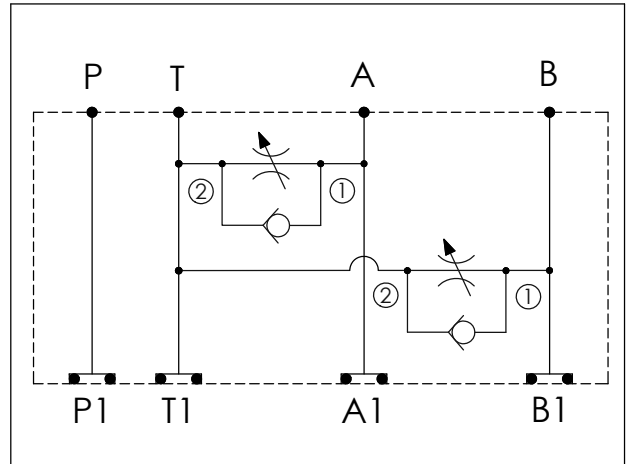
Stack Height : 40.0mm

Dimensions:
 Total length: 232.0
 Port spacing (P1-T1): 77.9
 Port spacing (T1-A1): 76.2
 Port spacing (A1-B1): 77.9
 Body diameter: 63.0
 Stack height: 40.0

Ports: P, T, A, B (top view); P1, T1, A1, B1 (bottom view)

O-RING CODE NO. 4KAA014AA001

UNIT:mm



TECHNICAL DATA

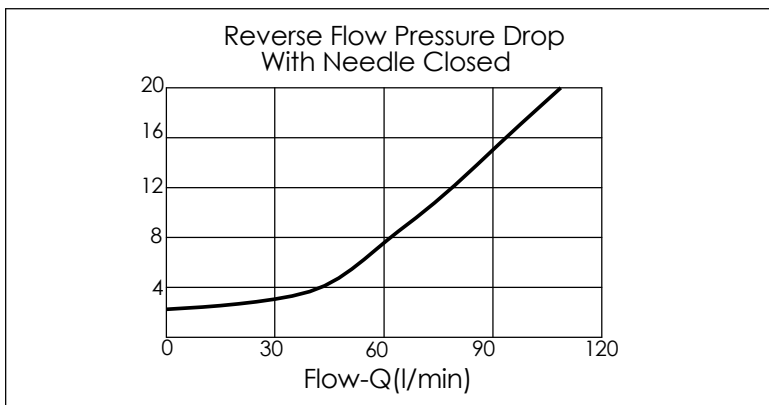
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve: Refer to NC5A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.6 kg(WITHOUT VALVES) 1.2 kg(INCLUDE VALVES)
----------	--

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



X	SELECTION FOR A PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
NCBC	NC5A21BCL (2.0bar)

Y	SELECTION FOR B PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
NCBC	NC5A21BCL (2.0bar)

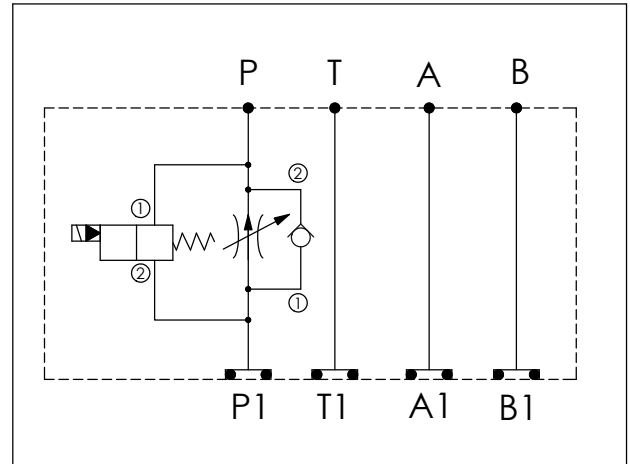
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FPD-X-Y-Z 01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

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

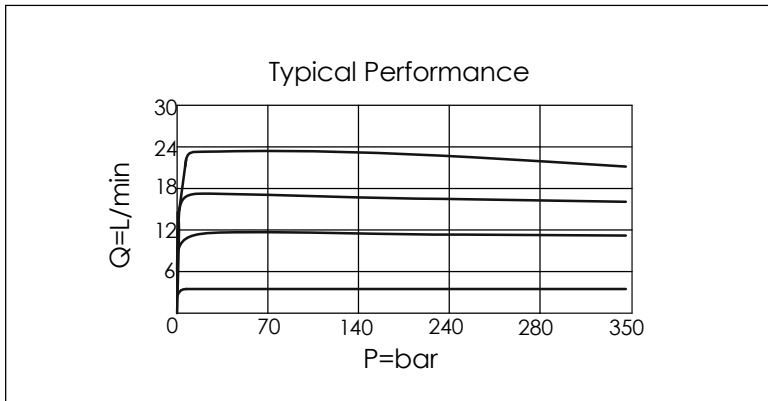
Rated flow: 23 l/min
 (Pressure Compensated)

Cartridge Valve:
 Refer to FR13A-X-Y-Z
 EP08W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.62 kg(WITHOUT VALVES) 0.85 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification. Please contact us.



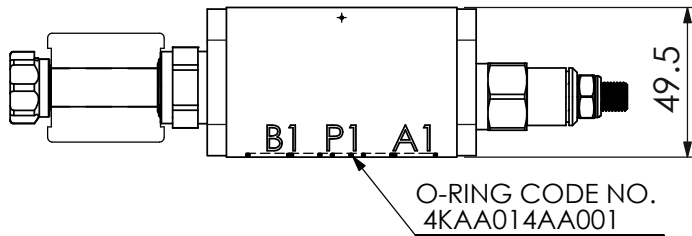
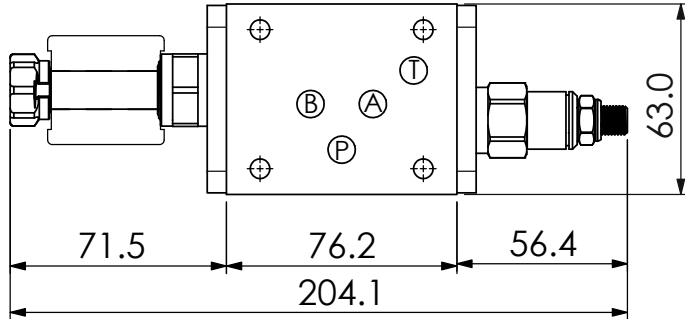
X	SELECTION FOR FLOW CONTROL	
13A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR13A20AL(23LPM,350bar)	

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	

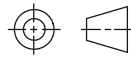
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

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

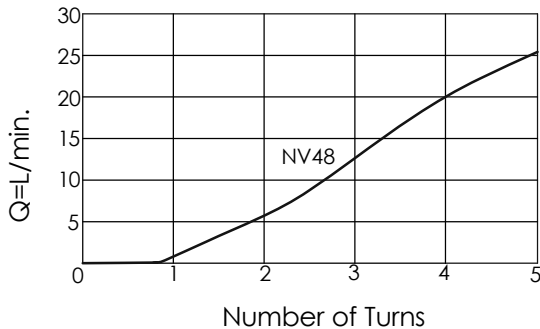
Ordering Code: MH05FPD-X-Y-Z01
Stack Height : 49.5mm



UNIT:mm

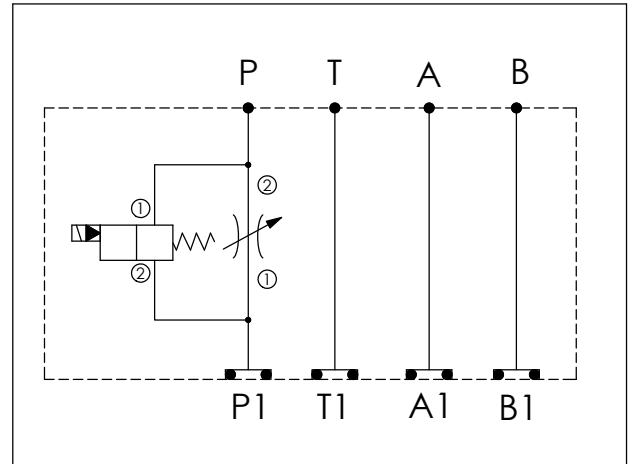


Adjustment Sensitivity at 7 bar Differential



Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

ISO 05 SANDWICH MANIFOLD



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 40 l/min

Cartridge Valve:
 Refer to NV13A-X-Y-Z
 EP08W-X-Y-Z

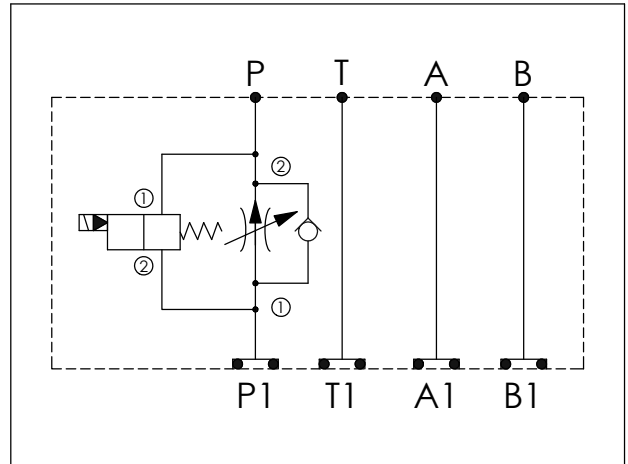
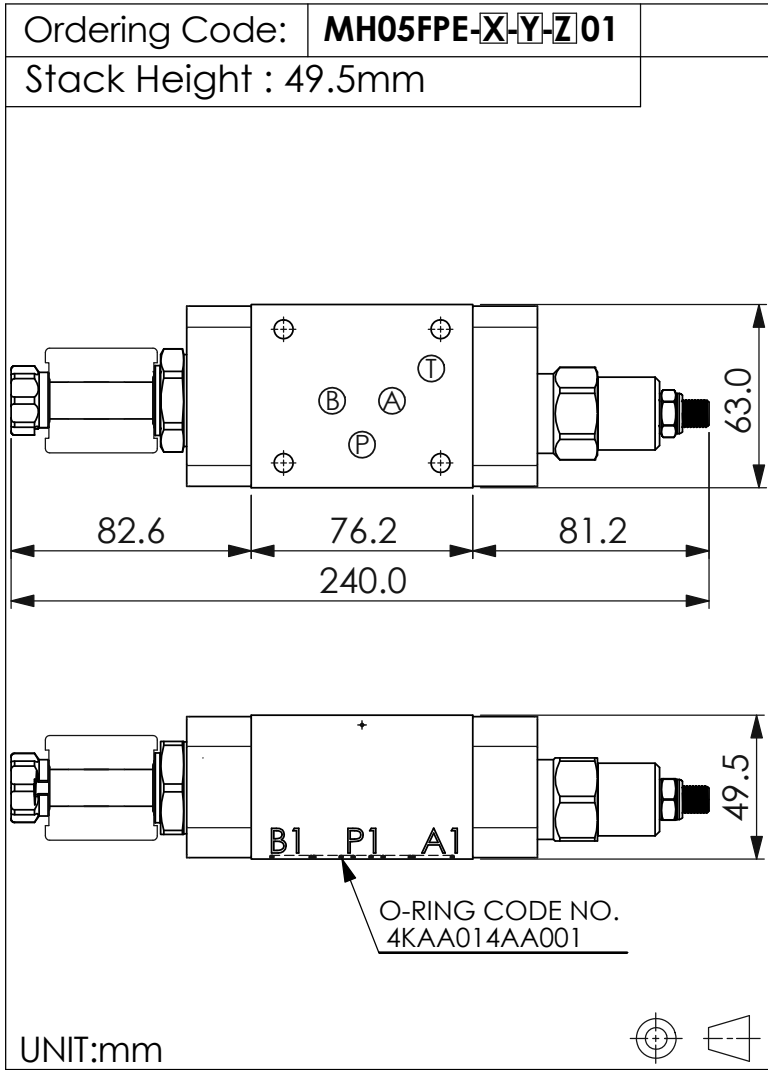
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.62 kg (WITHOUT VALVES) 0.85 kg (INCLUDE VALVES , WITHOUT COIL)
----------	--

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

X	SELECTION FOR FLOW CONTROL	
13A2	CAVITY ONLY (WITHOUT VALVE)	
NV48	NV13A2048L (350bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	



TECHNICAL DATA

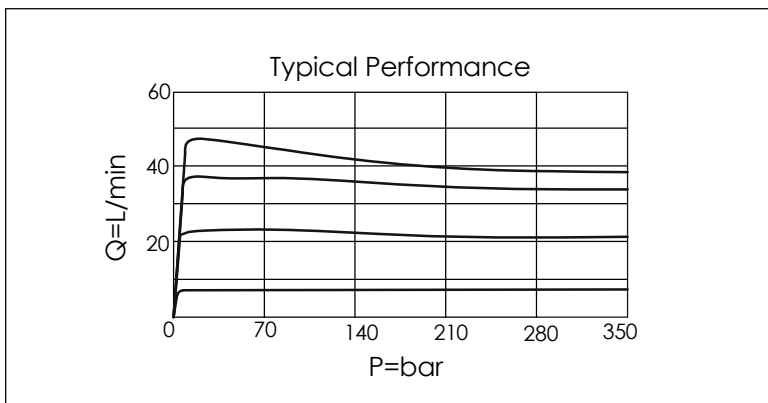
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 45 l/min (Pressure Compensated)

Cartridge Valve:
 Refer to FR5A-X-Y-Z
 EP12W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES) 1.3 kg(INCLUDE VALVES, WITHOUT COIL)

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



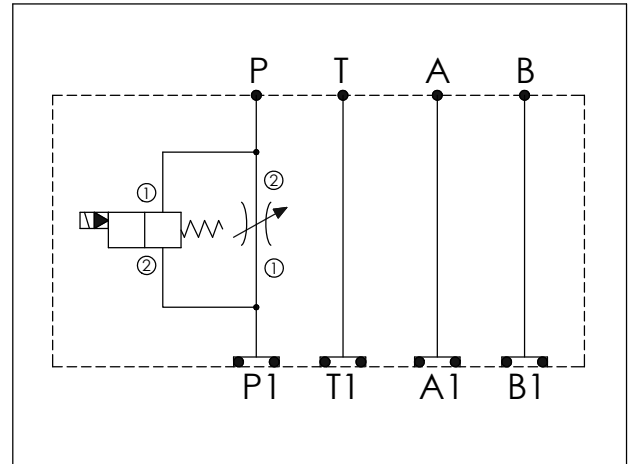
X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR5A20AL (45 LPM , 350bar)	

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

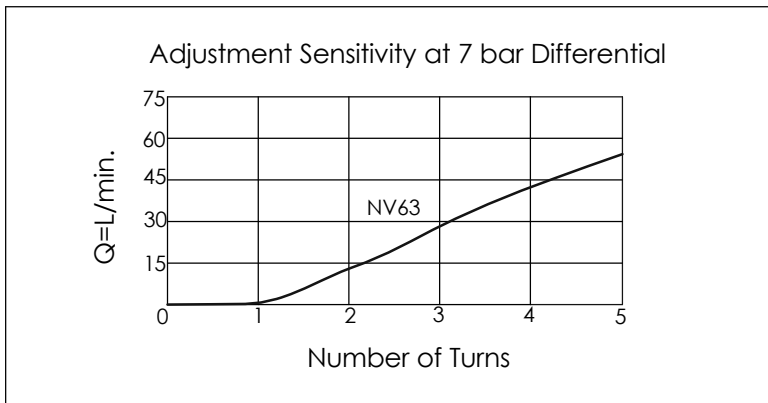
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: MH05FPE-X-Y-Z01	
Stack Height : 49.5mm	

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	80 l/min
Cartridge Valve:	Refer to NV5A-X-Y-Z EP12W-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.8 kg(WITHOUT VALVES) 1.06 kg(INCLUDE VALVES ,WITHOUT COIL)



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

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)
12W2	CAVITY ONLY (WITHOUT VALVE)
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)	

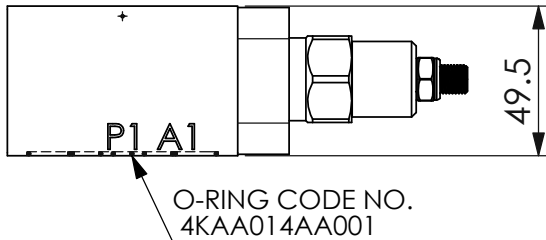
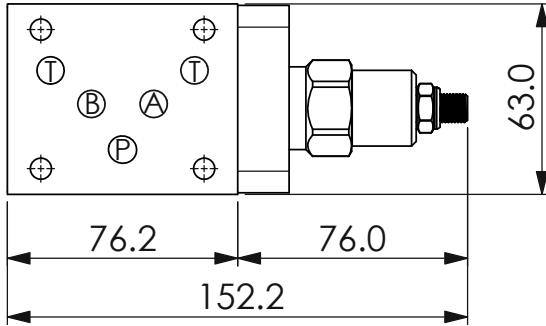
X	SELECTION FOR FLOW CONTROL
5A2	CAVITY ONLY (WITHOUT VALVE)
NV63	NV5A2063L (350bar)

Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

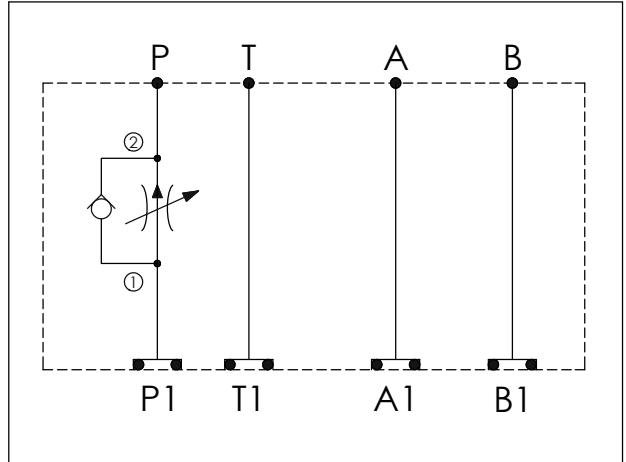
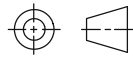
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FPW-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 45 l/min
(Pressure Compensated)

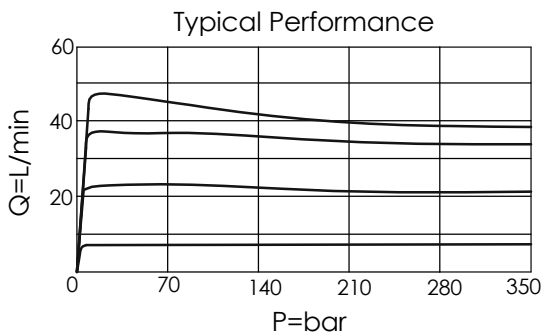
Cartridge Valve:

Refer to FR5A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.64 kg(WITHOUT VALVE) 0.91 kg(INCLUDE VALVE)
Ductile Iron	1.87 kg(WITHOUT VALVES) 2.14 kg(INCLUDE VALVES)

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



X SELECTION FOR P PORT CONTROL

5A2 CAVITY ONLY(WITHOUT VALVE)

FR0A FR5A20AL (45 LPM , 350bar)

Y SELECTION FOR G PORT

N WITHOUT PORT

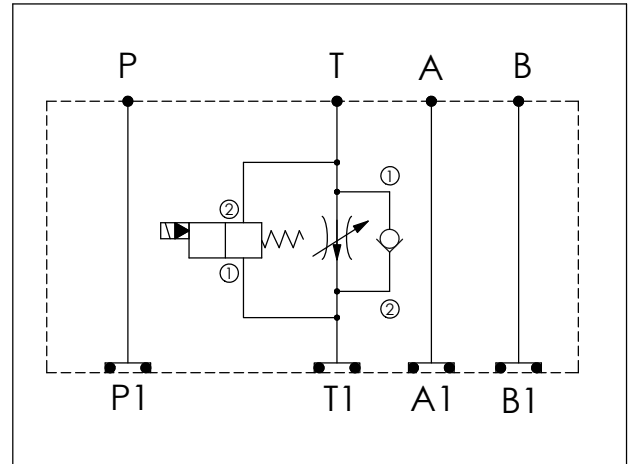
Z BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

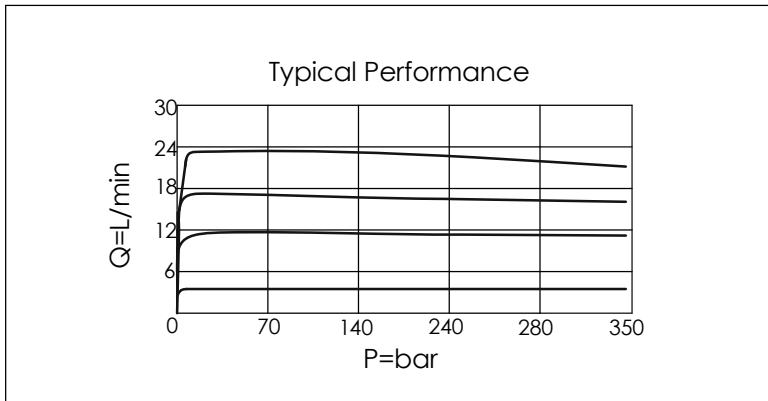
Ordering Code:	MH05FTD-X-Y-Z 01
Stack Height :	49.5mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	23 l/min (Pressure Compensated)
Cartridge Valve:	Refer to FR13A-X-Y-Z EP08W-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.61 kg(WITHOUT VALVES) 0.84 kg(INCLUDE VALVES ,WITHOUT COIL)

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



X	SELECTION FOR FLOW CONTROL	
13A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR13A20AL(23LPM,350bar)	

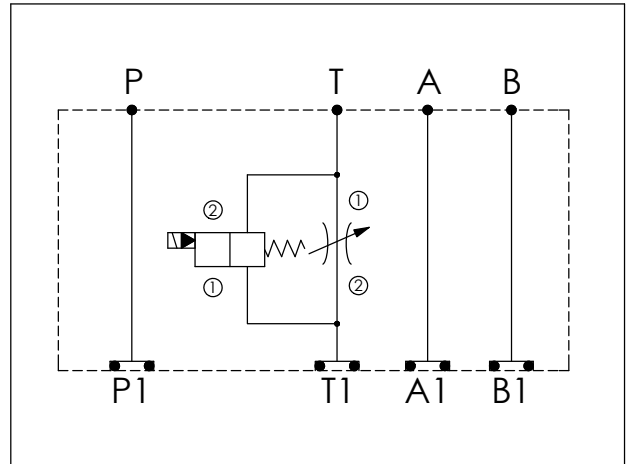
Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	

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

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

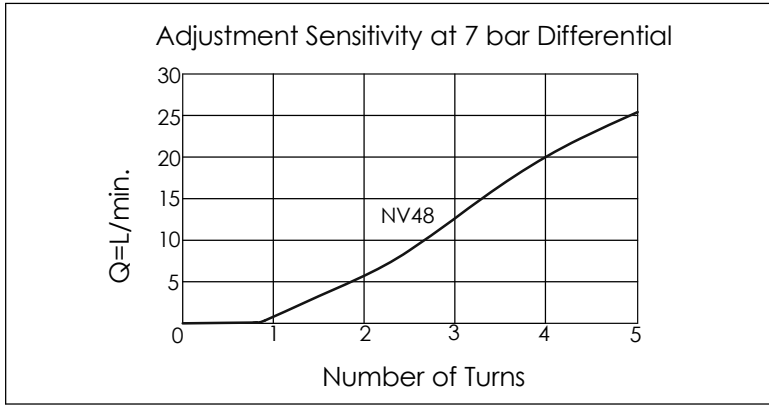
Ordering Code:	MH05FTD-X-Y-Z 01
Stack Height :	49.5mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	40 l/min
Cartridge Valve:	Refer to NV13A-X-Y-Z EP08W-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.	
Aluminum	0.61 kg(WITHOUT VALVES) 0.84 kg(INCLUDE VALVES ,WITHOUT COIL)

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



X	SELECTION FOR FLOW CONTROL	
13A2	CAVITY ONLY(WITHOUT VALVE)	
NV48	NV13A2048L (350bar)	

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	

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

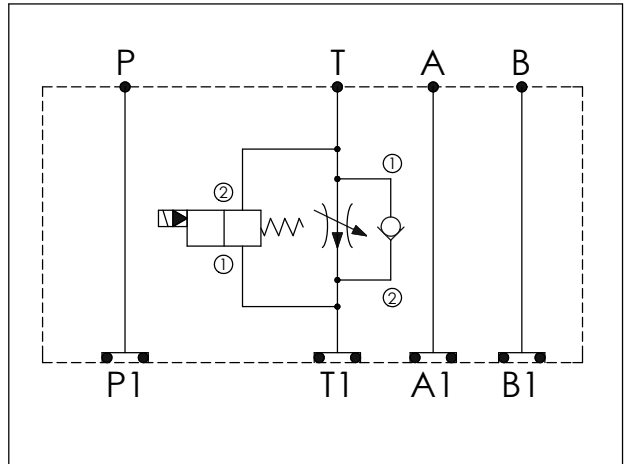
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

ISO 05 SANDWICH MANIFOLD

Ordering Code:	MH05FTE-X-Y-Z 01
Stack Height :	49.5mm

O-RING CODE NO.
4KAA014AA001

UNIT:mm



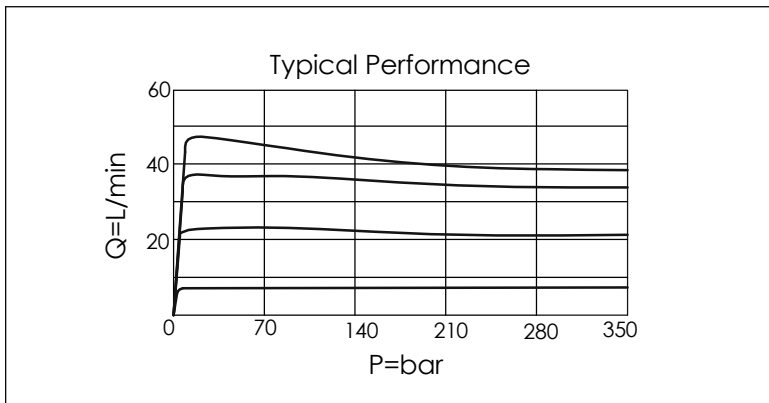
TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 45 l/min
 (Pressure Compensated)

Cartridge Valve:
 Refer to FR5A-X-Y-Z
 EP12W-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES) 1.3 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification.
 Please contact us.



X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FR0A	FR5A20AL (45 LPM , 350bar)	

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

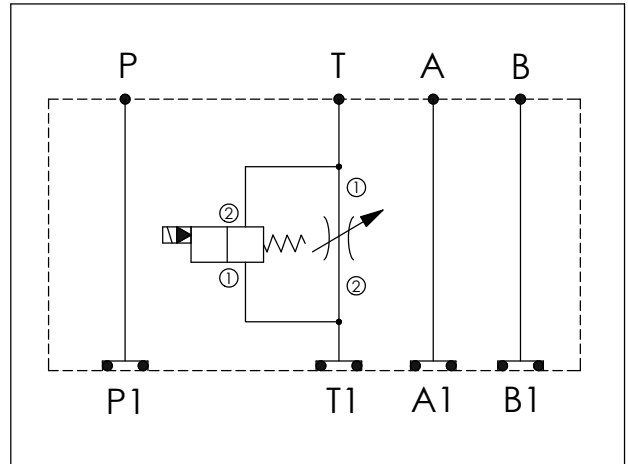
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05FTE-X-Y-Z 01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

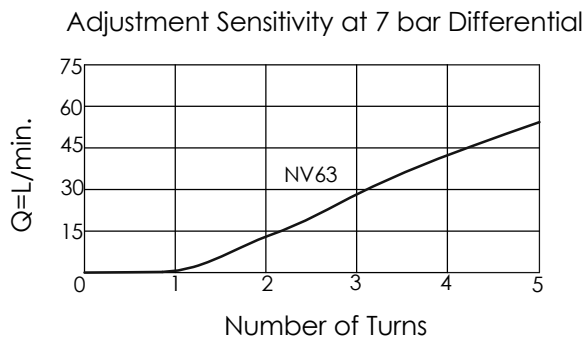
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to NV5A-X-Y-Z
 EP12W-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES) 1.06 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification. Please contact us.

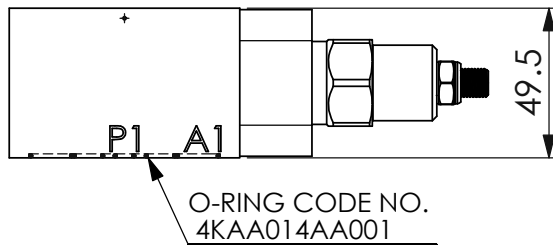
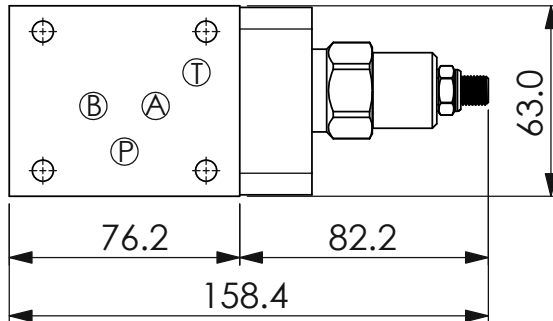


X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

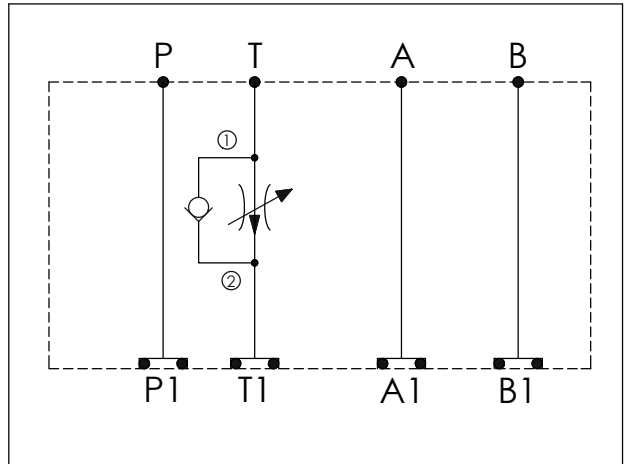
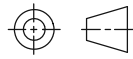
Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05FTW-X-Y-Z01**
 Stack Height : 49.5mm



UNIT:mm



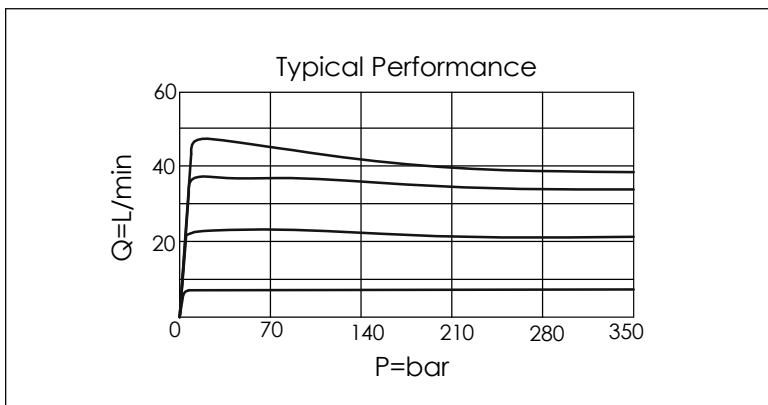
TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar
 Rated flow: 45 l/min (Pressure Compensated)

Cartridge Valve:
 Refer to FR5A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.71 kg(WITHOUT VALVE) 0.98 kg(INCLUDE VALVE)

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



X	SELECTION FOR T PORT CONTROL	
5A2	CAVITY ONLY(WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

Y	SELECTION FOR G PORT	
N	WITHOUT PORT	

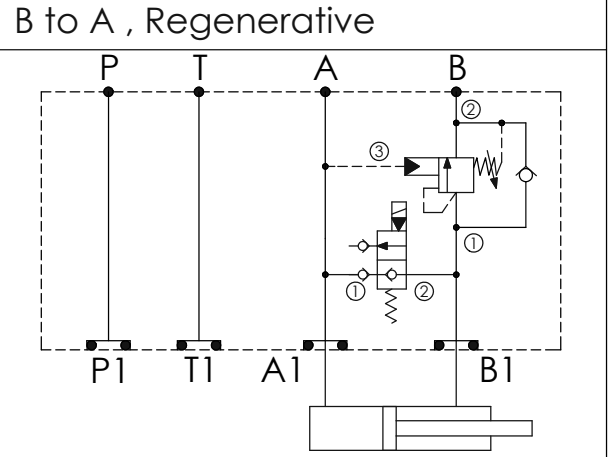
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05GBE-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

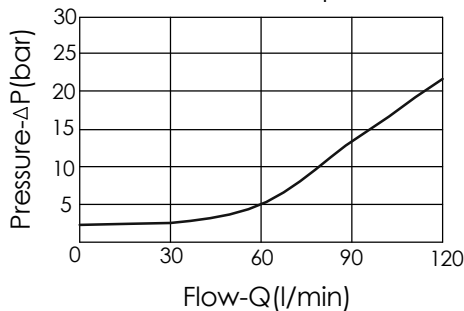
Cartridge Valve:
Refer to EP17E-X-Y-Z
CB2A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.84 kg(WITHOUT VALVES) 1.36 kg(INCLUDE VALVES ,WITHOUT COIL)
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* If you need the special specification.
Please contact us.

Free Flow or Piloted Open (CB2A33HL)
Pressure Drop



X SELECTION FOR SOLENOID VALVES (REFER TO EP17E-X-Y-Z)

17E2	CAVITY ONLY(WITHOUT VALVE)
EP11	EP17E2A11N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP11M	EP17E2A11M05 , 70LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)

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

Y SELECTION FOR COUNTERBALANCE VALVE

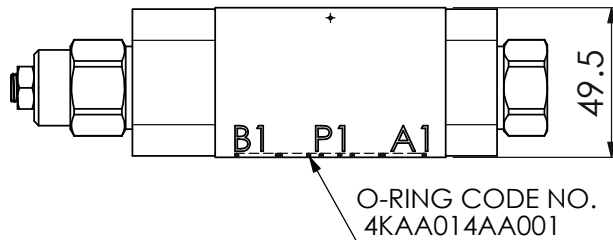
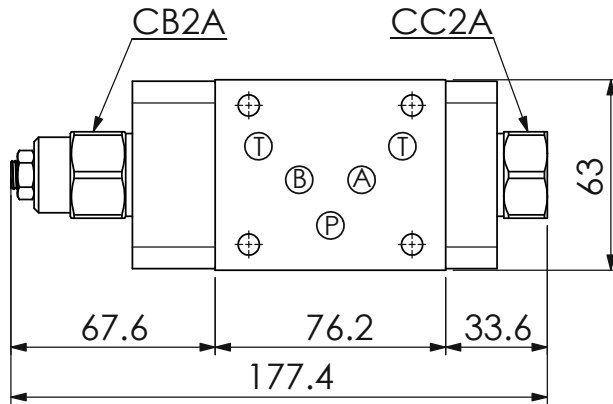
2A3	CAVITY ONLY(WITHOUT VALVE)
CB3H	CB2A33HL (120LPM , 70-280bar)

Z BODY MATERIAL

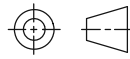
A HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

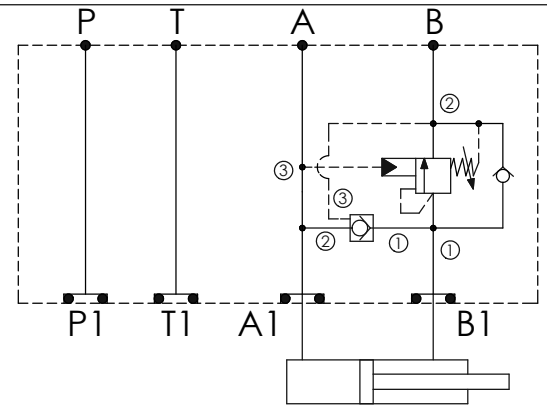
Ordering Code: **MH05GBW-X-Y-Z 01**
 Stack Height : 49.5mm



UNIT:mm



B to A , Regenerative



TECHNICAL DATA

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

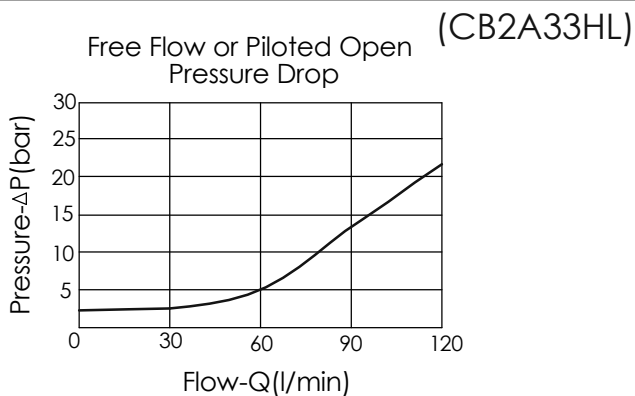
Rated flow: 80 l/min

Cartridge Valve:
 Refer to CC2A-X-Y-Z
 CB2A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.76 kg(WITHOUT VALVES) 1.29 kg(INCLUDE VALVES)
Ductile Iron	2.25 kg(WITHOUT VALVES) 2.75 kg(INCLUDE VALVES)

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

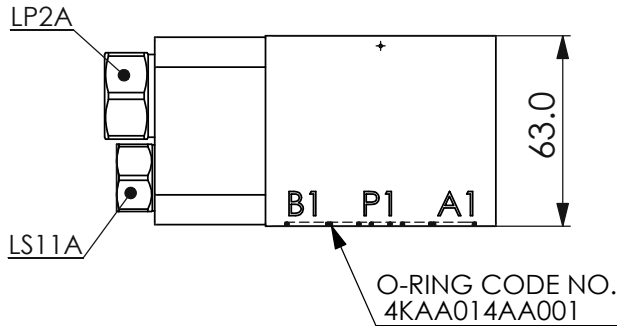
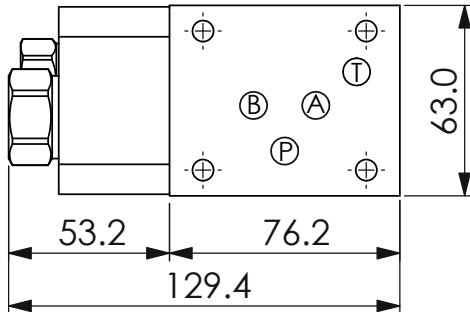


X	SELECTION FOR PILOT-TO-CLOSE VALVE	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CC50	CC2A3050N (160LPM , 5.0bar)	

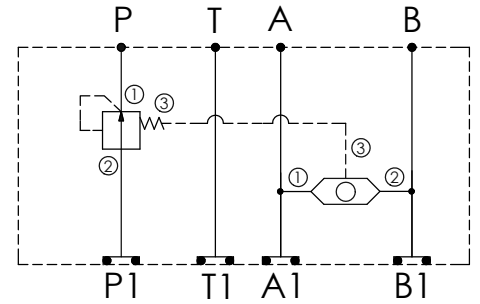
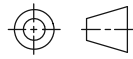
Y	SELECTION FOR COUNTERBALANCE VALVE	
2A3	CAVITY ONLY(WITHOUT VALVE)	
CB3H	CB2A33HL (120LPM , 70-280bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code: **MH05KPR-X-Y-Z 03**
 Stack Height : 63.0mm



UNIT:mm



TECHNICAL DATA

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

Rated flow: 80 l/min

Cartridge Valve:
 Refer to LP2A-X-Y-Z
 LS11A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.0 kg(WITHOUT VALVES) 1.35 kg(INCLUDE VALVES)
Ductile Iron	2.85 kg(WITHOUT VALVES) 3.2 kg(INCLUDE VALVES)

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

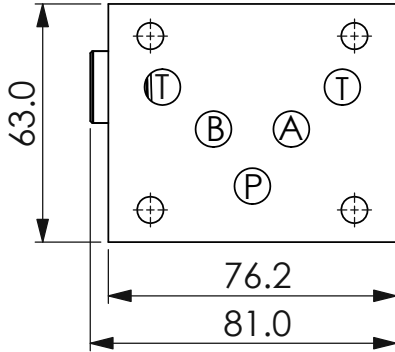


Y	SELECTION FOR SHUTTLE VALVE	
11A3	CAVITY ONLY(WITHOUT VALVE)	
LS3N	LS11A33NN(10LPM,350bar)	

X	SELECTION FOR LOGIC ELEMENT	
2A3	CAVITY ONLY(WITHOUT VALVE)	
LP35	LP2A3035N(120LPM,3.5bar)	
LP70	LP2A3070N(120LPM,7.0bar)	
LP100	LP2A30100N(120LPM,10.0bar)	
LP140	LP2A30140N(120LPM,14.0bar)	

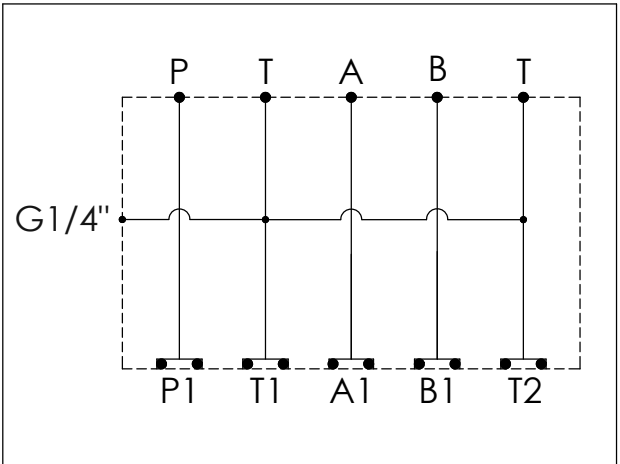
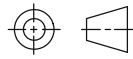
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code: **MH05NDT-N-N-Z 01**
 Stack Height : 25.0mm



O-RING CODE NO.
4KAA014AA001

UNIT:mm



TECHNICAL DATA

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

Rated flow: 80 l/min

Aluminum	0.28 kg(WITHOUT VALVE) 0.3 kg(INCLUDE VALVE)
Ductile Iron	0.81 kg(WITHOUT VALVE) 0.83 kg(INCLUDE VALVE)

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

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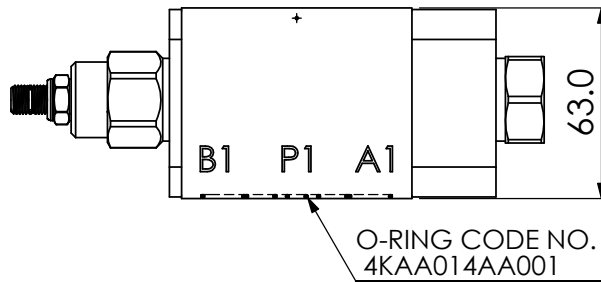
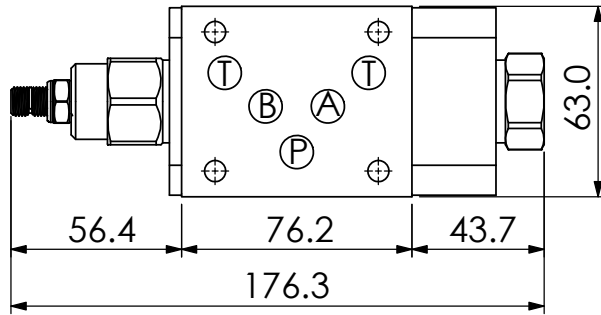
X	SELECTION FOR A PORT	
N	WITHOUT PORT	

Y	SELECTION FOR B PORT	
N	WITHOUT PORT	

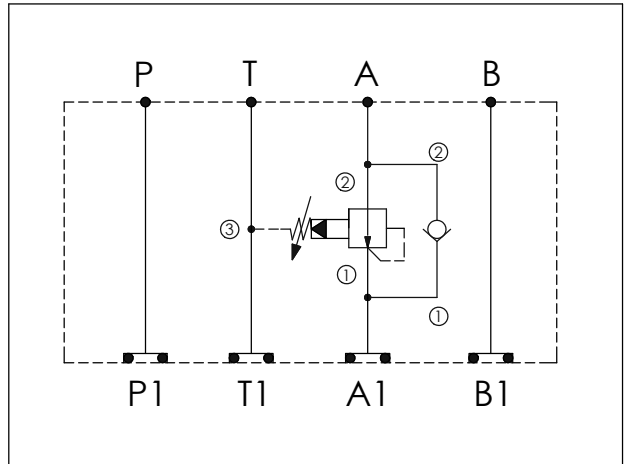
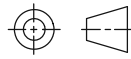
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

ISO 05 SANDWICH MANIFOLD

Ordering Code: MH05PAC-X-Y-Z 03
Stack Height : 63.0mm



UNIT:mm



TECHNICAL DATA

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

Rated flow: 80 l/min

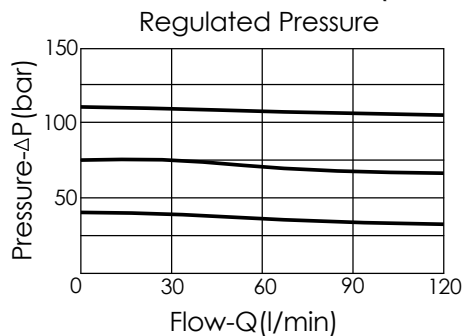
Cartridge Valve:
 Refer to PB2A-X-Y-Z
 CV5A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.92 kg(WITHOUT VALVES) 1.42 kg(INCLUDE VALVES)
Ductile Iron	2.65 kg(WITHOUT VALVES) 3.15 kg(INCLUDE VALVES)

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

(PB2A30AL)



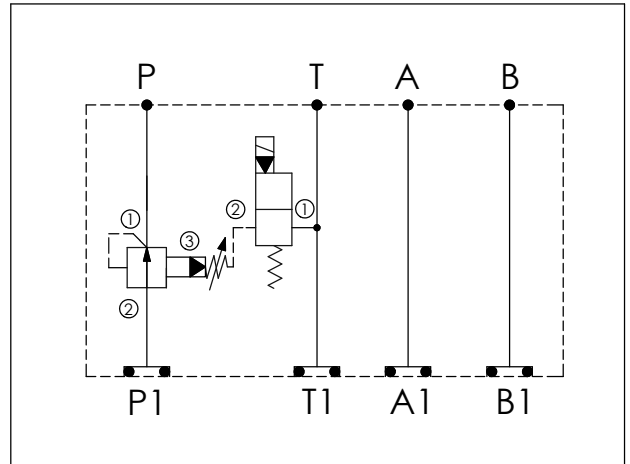
X	SELECTION FOR A PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
PB0A	PB2A30AL (80LPM , 7-210bar)	

Y	SELECTION FOR CHECK VALVE	
5A2	CAVITY ONLY(WITHOUT VALVE)	
CP00	CP5A2H00N (PLUG ONLY)	
CV20	CV5A2020N (160LPM , 2.0bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code:	MH05PPE-X-Y-Z 01
Stack Height :	49.5mm

UNIT:mm



TECHNICAL DATA

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

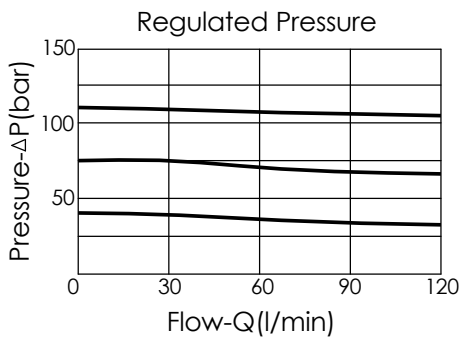
Rated flow: 80 l/min

Cartridge Valve:
 Refer to PB2A-X-Y-Z
 EP08W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.82 kg(WITHOUT VALVES) 1.25 kg(INCLUDE VALVES ,WITHOUT COIL)
DUCTILE IRON	2.39 kg(WITHOUT VALVES) 2.82 kg(INCLUDE VALVES ,WITHOUT COIL)

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

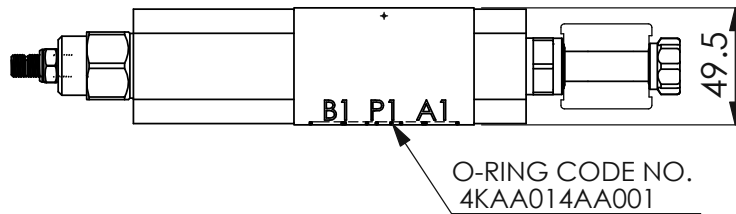
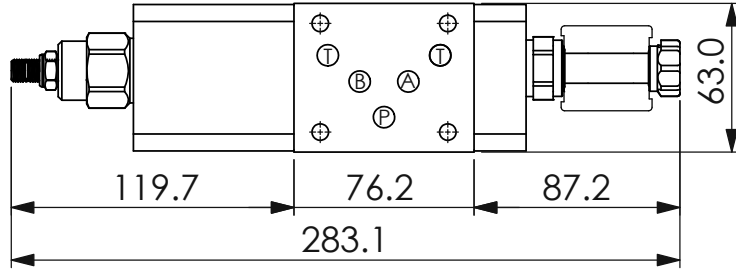


Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

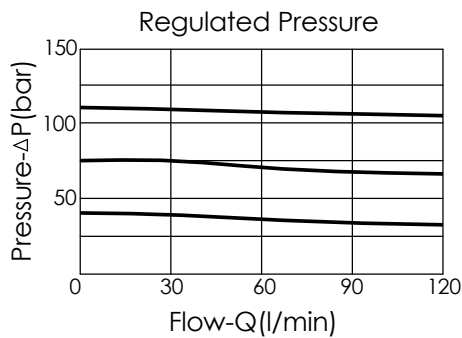
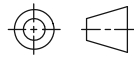
X	SELECTION FOR P PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
PB0A	PB2A30AL (80 LPM , 7-210bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

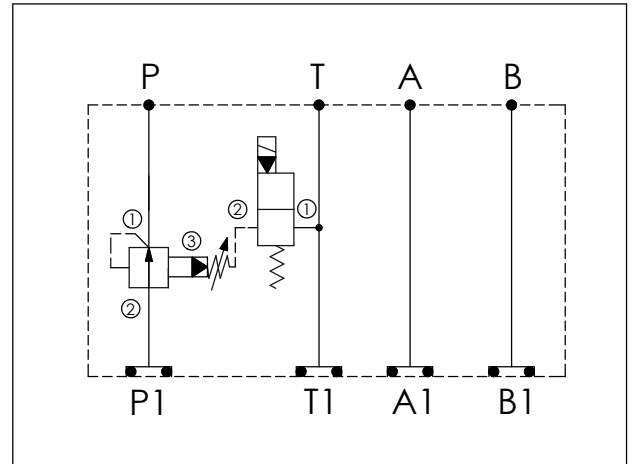
Ordering Code: MH05PPE-X-Y-Z 11
Stack Height : 49.5mm



UNIT:mm



Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)
08W2	CAVITY ONLY(WITHOUT VALVE)
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)	



TECHNICAL DATA

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

Rated flow: 80 l/min

Cartridge Valve:
Refer to PB2A-X-Y-Z
EP08W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.15 kg(WITHOUT VALVES) 1.6 kg(INCLUDE VALVES ,WITHOUT COIL)
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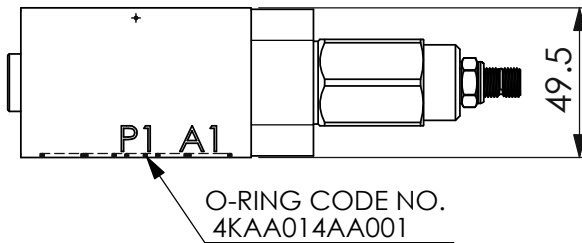
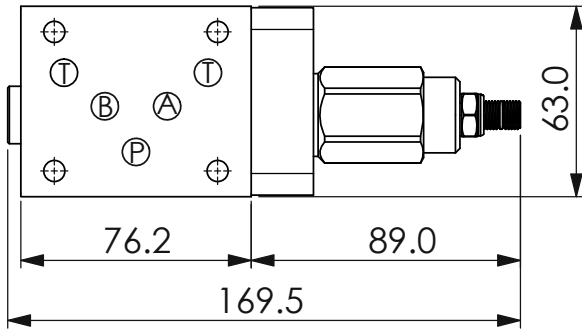
* If you need the special specification.
Please contact us.

X	SELECTION FOR P PORT CONTROL
2A3	CAVITY ONLY(WITHOUT VALVE)
PB0A	PB2A30AL (80 LPM , 7-210bar)

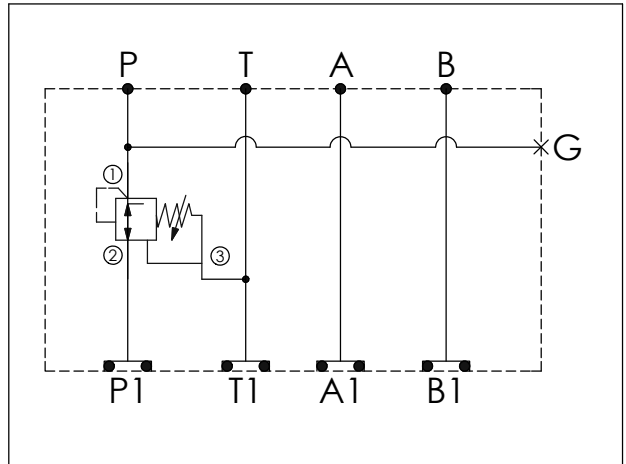
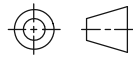
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05PPW-X-Y-Z01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

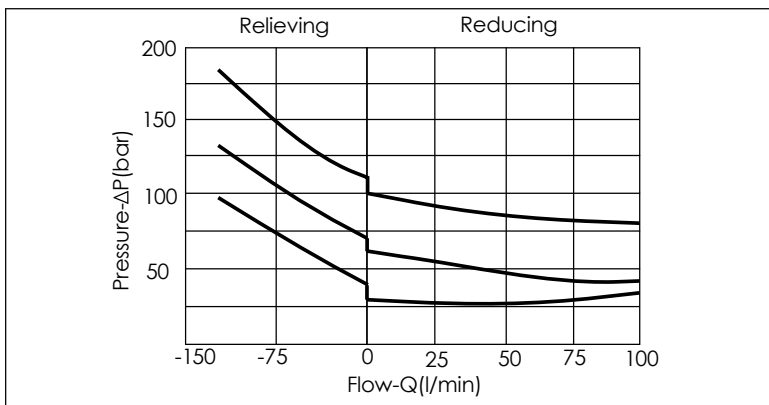
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to PD2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE)
	1.0 kg(INCLUDE VALVE)
Ductile Iron	1.9 kg(WITHOUT VALVE)
	2.25 kg(INCLUDE VALVE)

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



X	SELECTION FOR P PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PD0A	PD2A30AL (85 LPM , 50-210bar)	

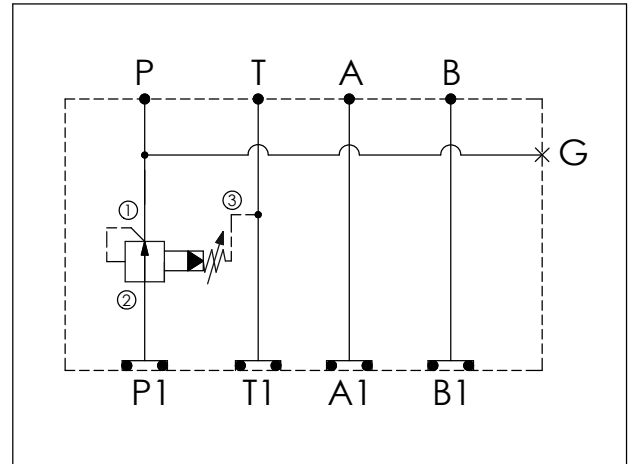
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Ordering Code: **MH05PPW-X-Y-Z 01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

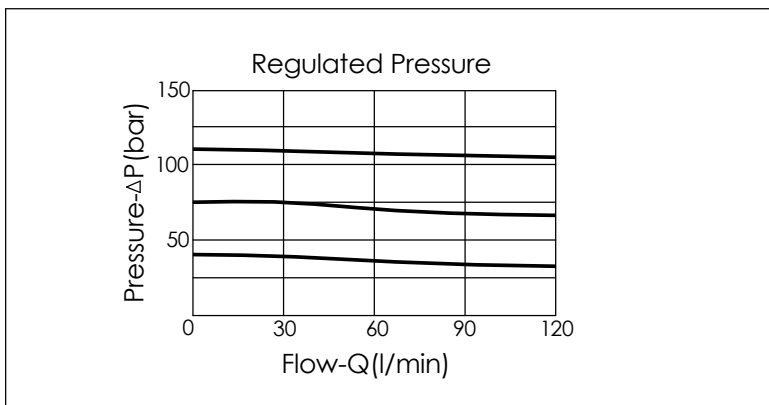
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to PB2A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHOUT VALVE)
	0.93 kg(INCLUDE VALVE)
Ductile Iron	1.9 kg(WITHOUT VALVE)
	2.25 kg(INCLUDE VALVE)

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



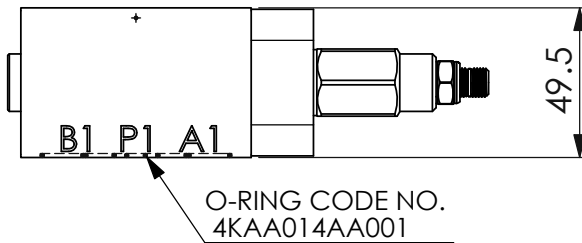
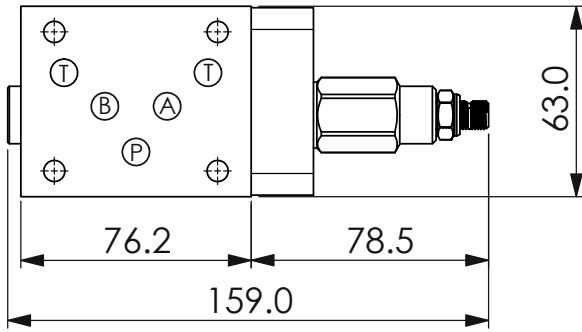
X	SELECTION FOR P PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
PBOA	PB2A30AL(80LPM,7-210bar) (Pilot Operated Reducing)	

Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

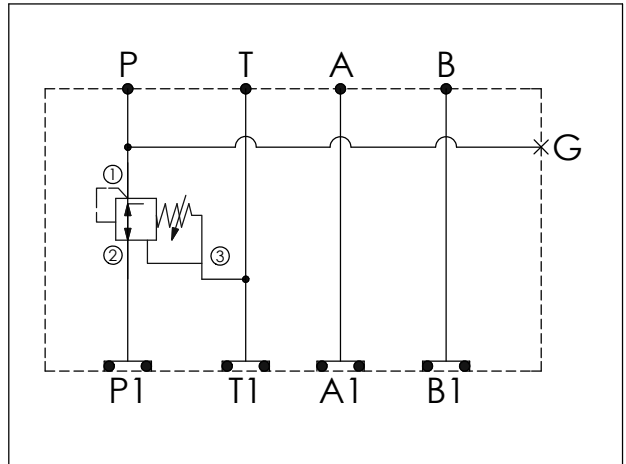
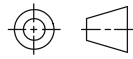
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05PPW-X-Y-Z21**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

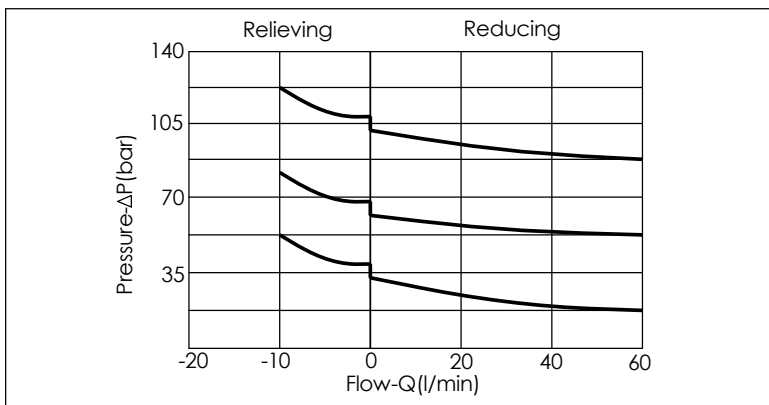
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 40 l/min

Cartridge Valve:
 Refer to PD11A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.7 kg(WITHOUT VALVE)
	0.9 kg(INCLUDE VALVE)

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



X	SELECTION FOR P PORT CONTROL
11A3	CAVITY ONLY (WITHOUT VALVE)
PDOA	PD11A30AL (40 LPM , 35-210bar)

Y	SELECTION FOR G PORT
G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

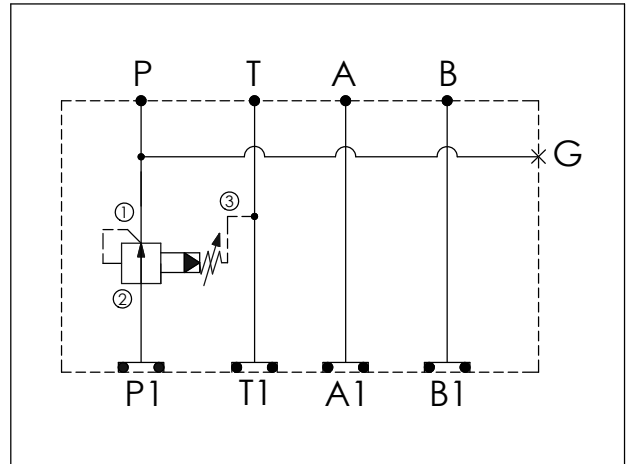
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05PPW-X-Y-Z 21**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

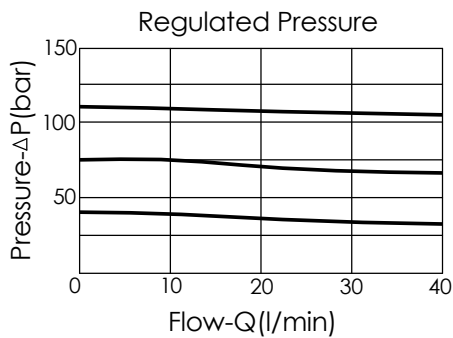
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 40 l/min

Cartridge Valve:
 Refer to PB11A-X-Y-Z
 * Refer to Winner Cartridge Valve Catalog.

Aluminum	0.7 kg(WITHOUT VALVE)
	0.9 kg(INCLUDE VALVE)

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



X SELECTION FOR P PORT CONTROL

11A3 CAVITY ONLY (WITHOUT VALVE)

PB0A PB11A30AL (40 LPM , 7-210bar)

Y SELECTION FOR G PORT

G02 G 1/4"(Metric)

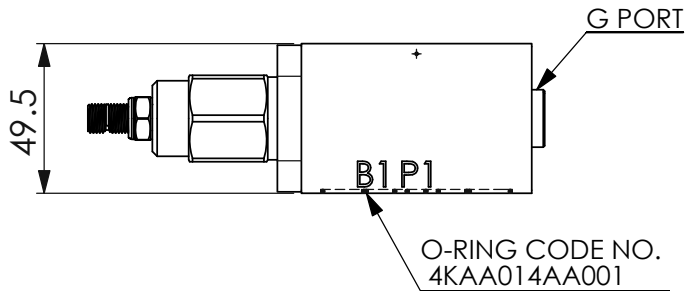
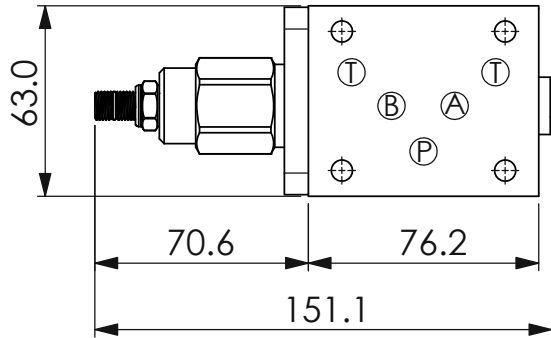
N02 NPT 1/4"(U.S. Units)

Z BODY MATERIAL

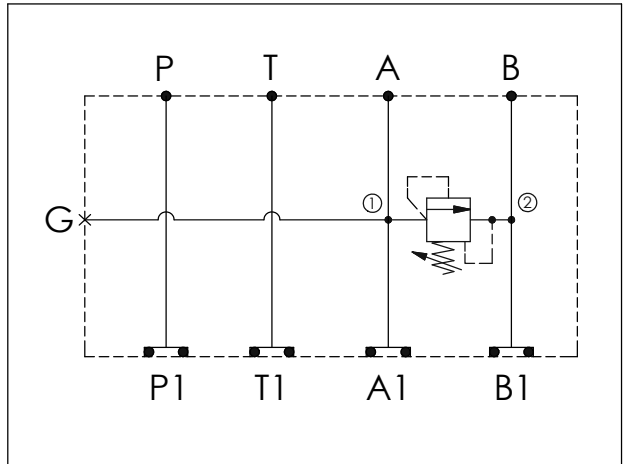
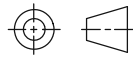
A HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: MH05RAB-X-Y-Z01
Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

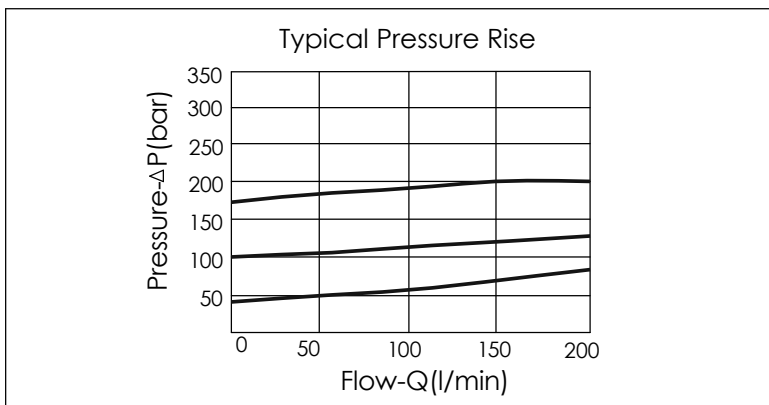
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to RD3A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.86 kg(INCLUDE VALVE)

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



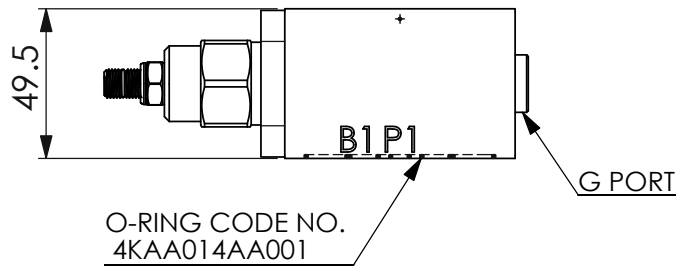
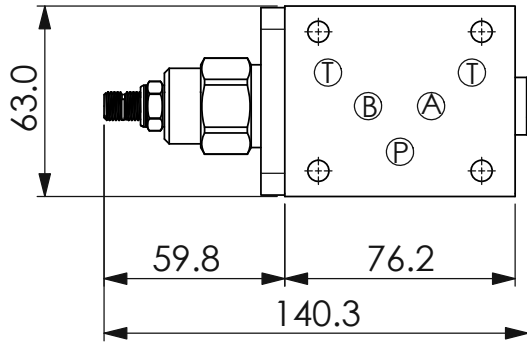
X	SELECTION FOR A PORT CONTROL	
3A2	CAVITY ONLY(WITHOUT VALVE)	
RD5A	RD3A25AL (200 LPM , 35-210bar)	

Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

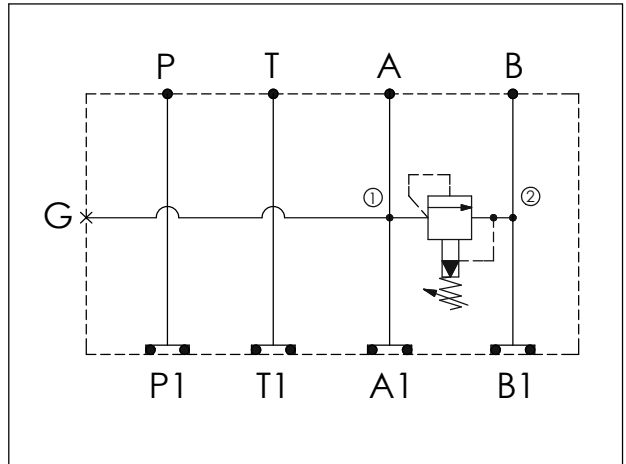
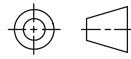
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05RAB-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

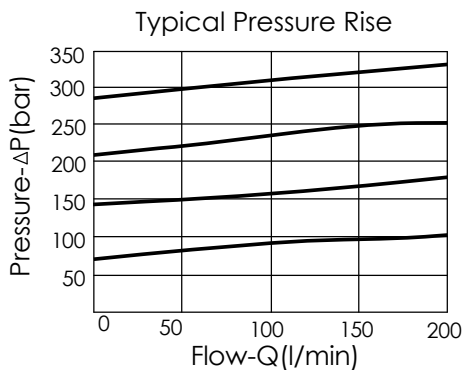
Ductile Iron
Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RP3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.81 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

3A2	CAVITY ONLY(WITHOUT VALVE)	
RPOA	RP3A20AL (200 LPM , 7-210bar)	

Y SELECTION FOR G PORT

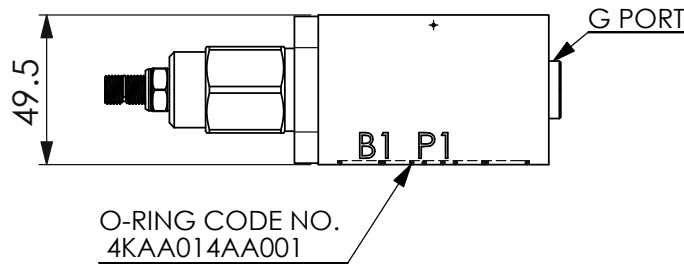
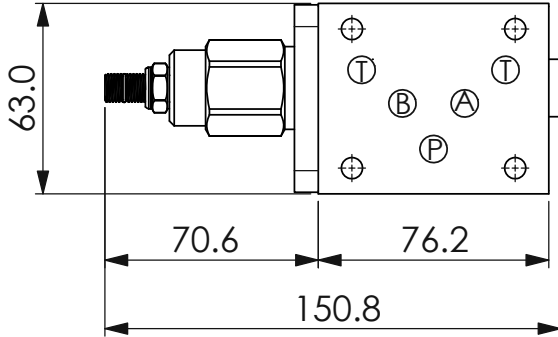
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Z BODY MATERIAL

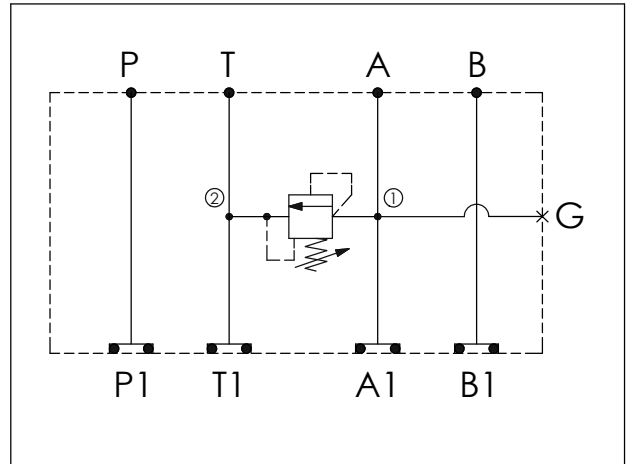
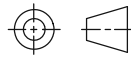
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05RAH-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

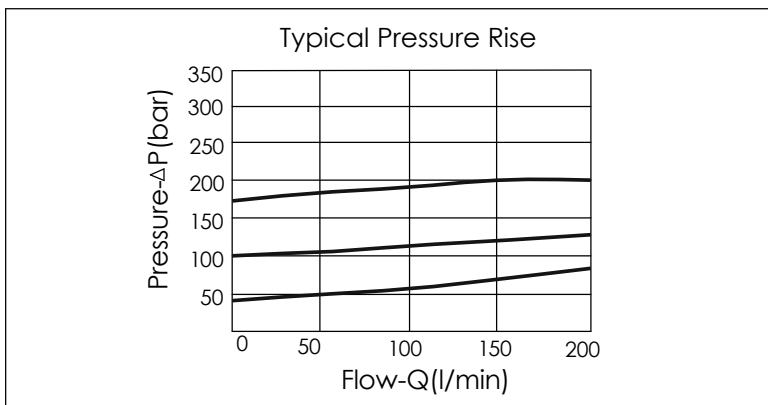
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RD3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.86 kg(INCLUDE VALVE)

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



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

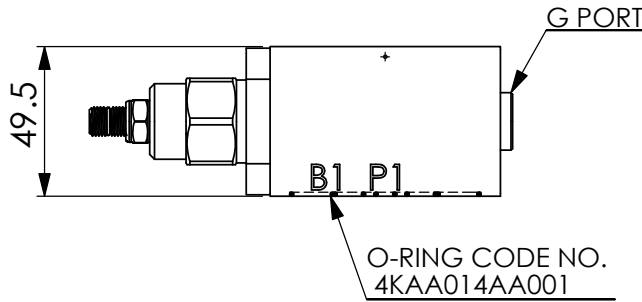
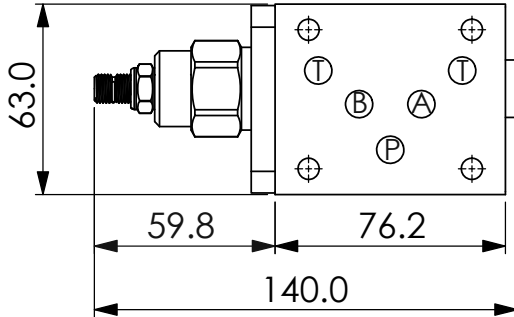
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

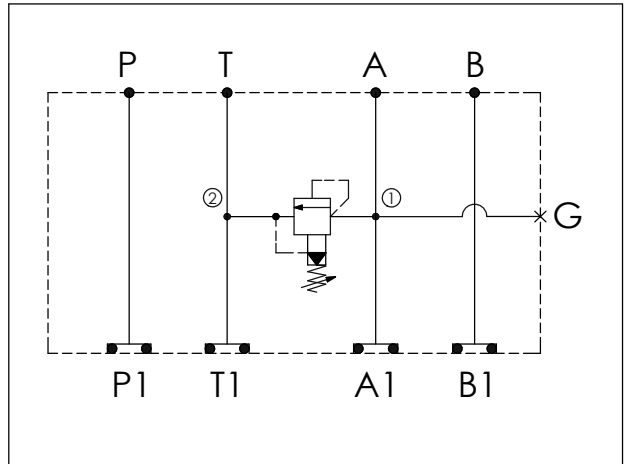
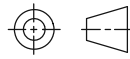
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RAH-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

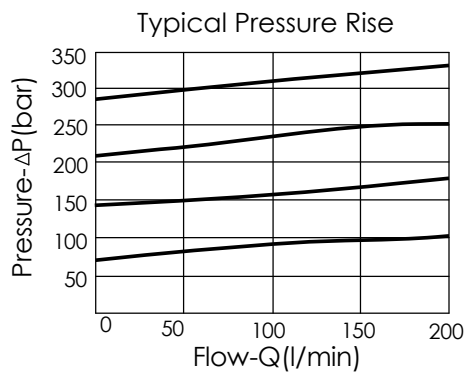
Ductile Iron
Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RP3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.86 kg(INCLUDE VALVE)

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



X SELECTION FOR A PORT CONTROL

3A2 CAVITY ONLY(WITHOUT VALVE)

RP0A RP3A20AL (200 LPM , 7-210bar)

Y SELECTION FOR G PORT CONTROL

G02 G 1/4"(Metric)

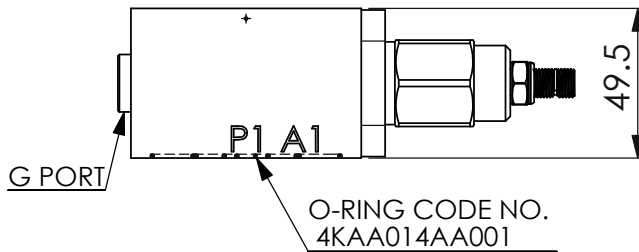
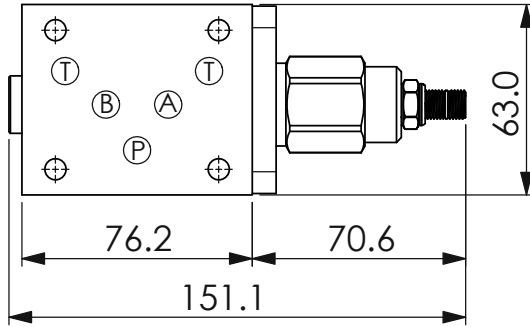
N02 NPT 1/4"(U.S. Units)

Z BODY MATERIAL

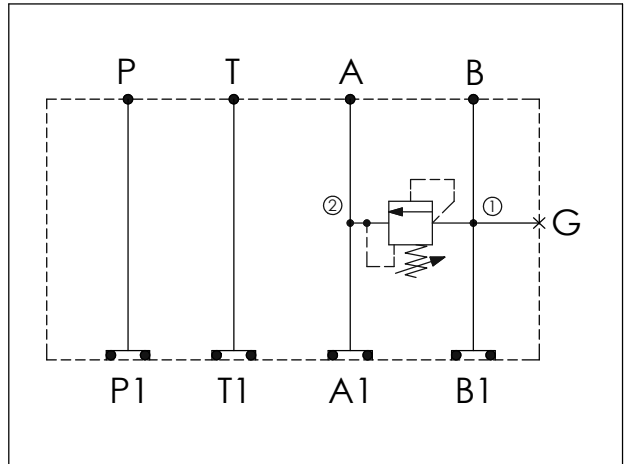
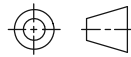
A HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RBA-X-Y-Z01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

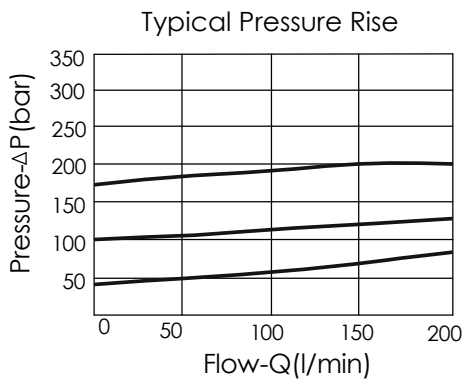
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to RD3A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE) 0.86 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Y SELECTION FOR B PORT CONTROL

3A2	CAVITY ONLY(WITHOUT VALVE)
RD5A	RD3A25AL (200 LPM , 35-210bar)

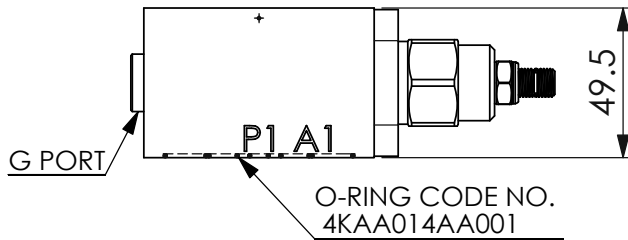
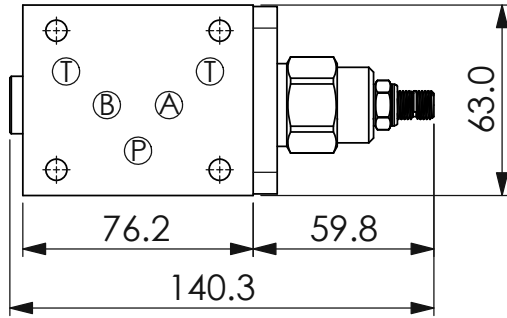
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM

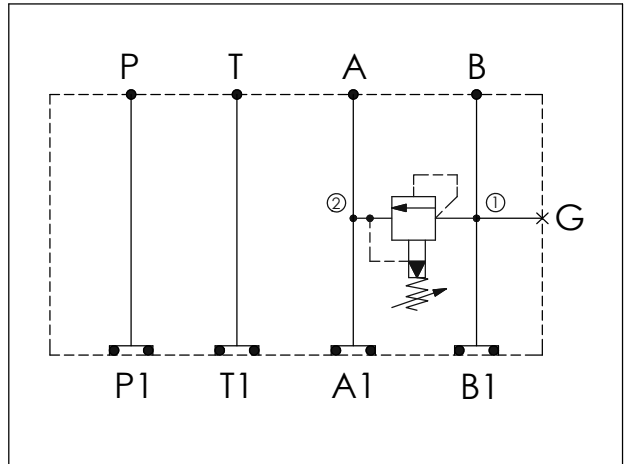
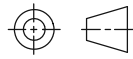
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RBA-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

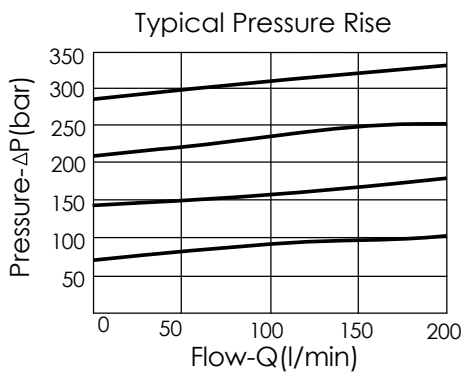
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RP3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.81 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Y SELECTION FOR B PORT CONTROL

3A2	CAVITY ONLY(WITHOUT VALVE)
RP0A	RP3A20AL (200 LPM , 7-210bar)

Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RBH-X-Y-Z01**

Stack Height : 49.5mm

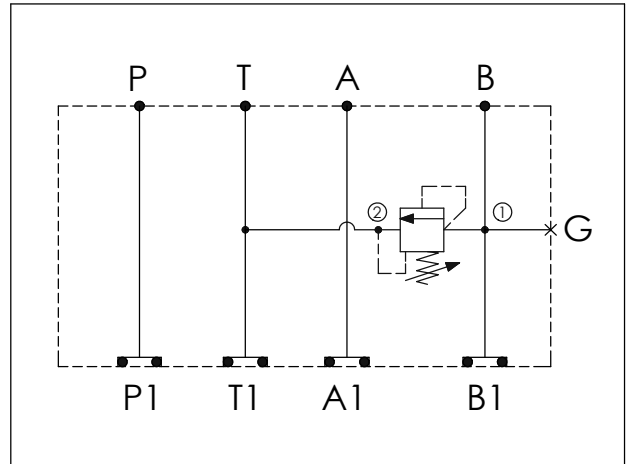
Top View Dimensions: 76.2, 70.6, 151.1, 63.0

Side View Dimensions: 49.5

Ports: P, T, A, B, P1, T1, A1, B1, G PORT

O-RING CODE NO. 4KAA014AA001

UNIT:mm



TECHNICAL DATA

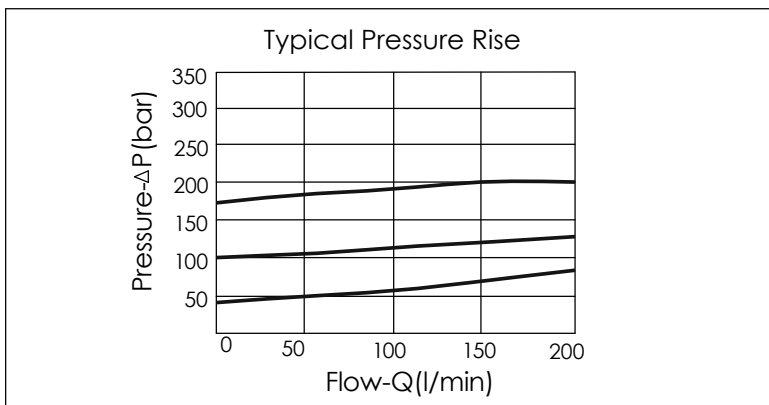
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to RD3A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.86 kg(INCLUDE VALVE)

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



X	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

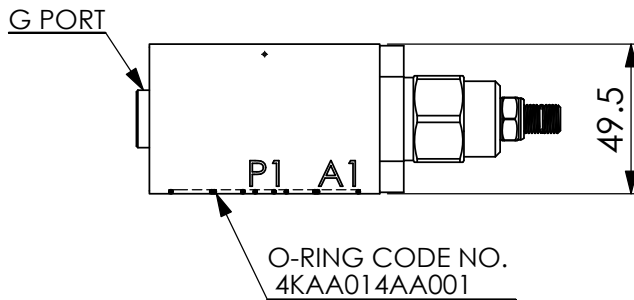
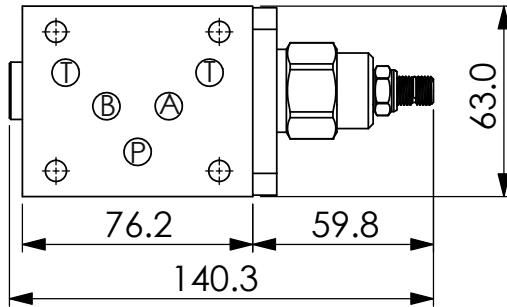
Y	SELECTION FOR B PORT CONTROL	
3A2	CAVITY ONLY(WITHOUT VALVE)	
RD5A	RD3A25AL (200 LPM , 35-210bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

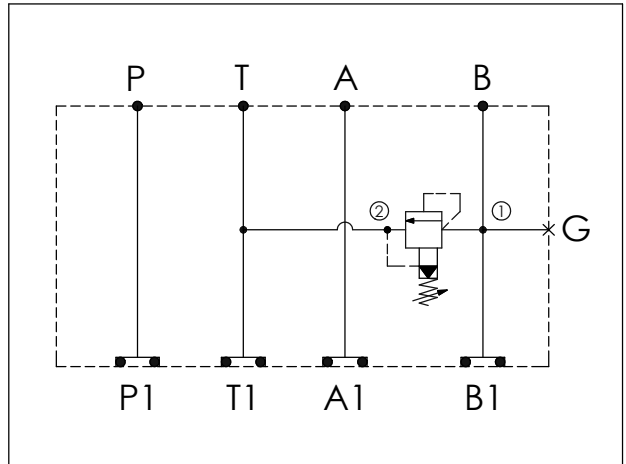
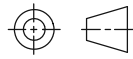
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RBH-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

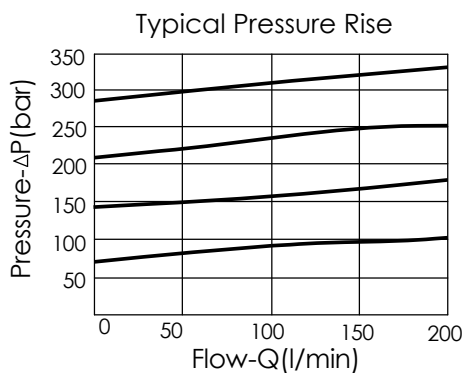
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RP3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56 kg(WITHOUT VALVE)
	0.86 kg(INCLUDE VALVE)

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



X SELECTION FOR G PORT CONTROL

G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Y SELECTION FOR B PORT CONTROL

3A2	CAVITY ONLY(WITHOUT VALVE)	
RP0A	RP3A20AL (200 LPM , 7-210bar)	

Z BODY MATERIAL

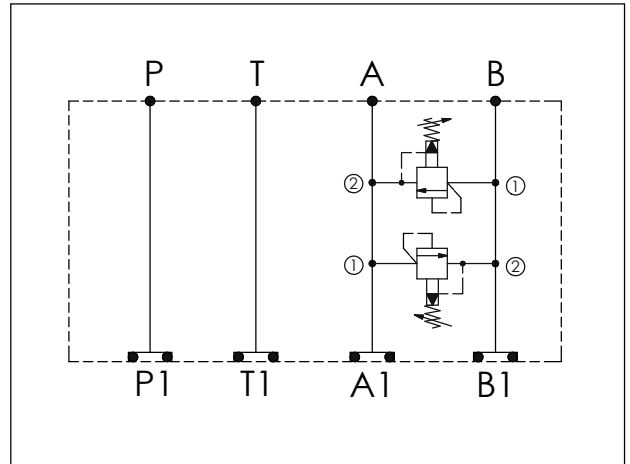
A	HIGH-STRENGTH ALUMINUM	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RDH-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

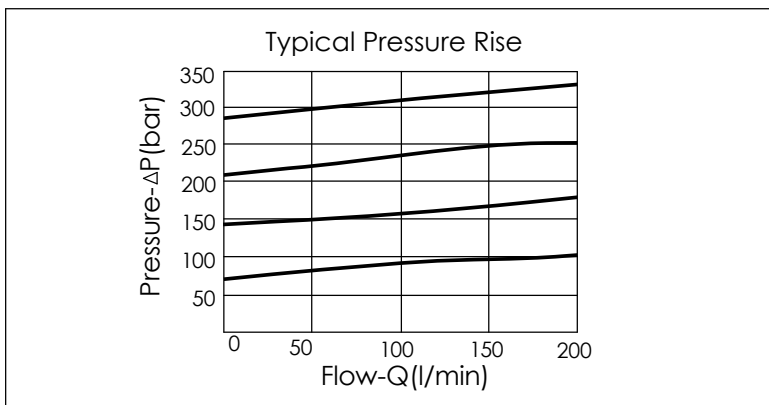
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to RP3A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.76 kg(WITHOUT VALVES) 1.26 kg(INCLUDE VALVES)
Ductile Iron	2.25 kg(WITHOUT VALVES) 2.75 kg(INCLUDE VALVES)

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



X	SELECTION FOR A PORT CONTROL	
3A2	CAVITY ONLY(WITHOUT VALVE)	
RP0A	RP3A20AL (200 LPM , 7-210bar)	

Y	SELECTION FOR B PORT CONTROL	
3A2	CAVITY ONLY(WITHOUT VALVE)	
RP0A	RP3A20AL (200 LPM , 7-210bar)	

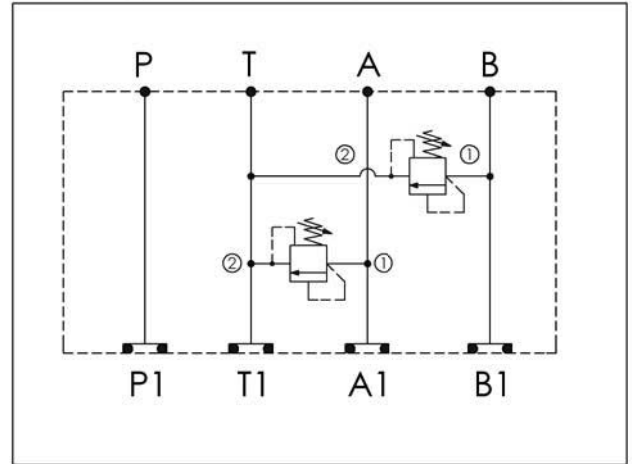
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RDT-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

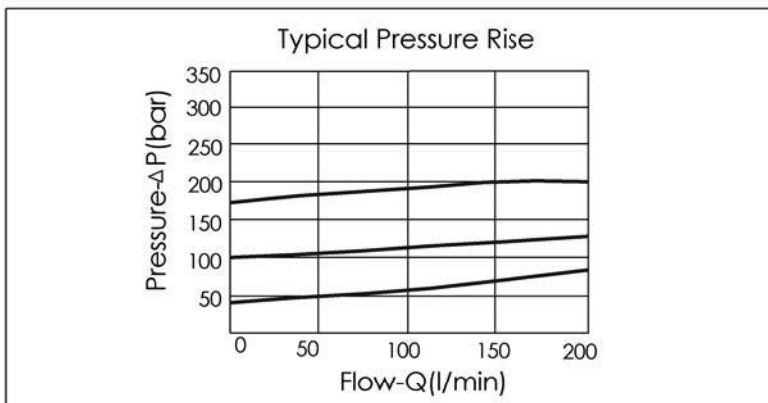
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to RD3A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85 kg(WITHOUT VALVES) 1.45 kg(INCLUDE VALVES)
Ductile Iron	2.45 kg(WITHOUT VALVES) 3.05 kg(INCLUDE VALVES)

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



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

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

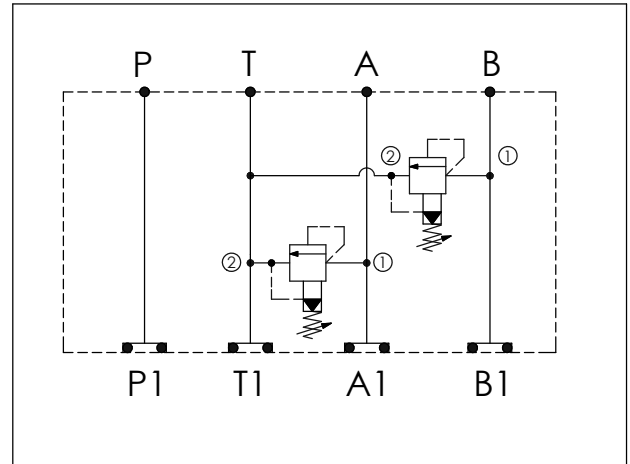
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

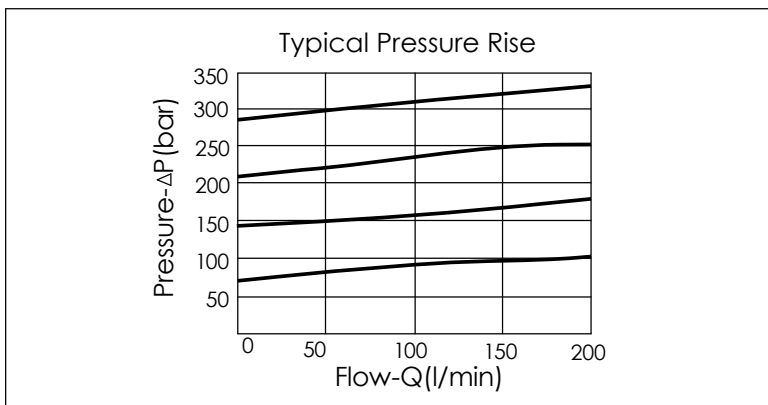
Ordering Code: **MH05RDT-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron Body Pressure Rating:	350 bar
Rated flow:	80 l/min
Cartridge Valve:	Refer to RP3A-X-Y-Z
	* Refer to Winner Cartridge Valves Catalog.
Aluminum	0.85 kg(WITHOUT VALVES) 1.45 kg(INCLUDE VALVES)
Ductile Iron	2.45 kg(WITHOUT VALVES) 3.05 kg(INCLUDE VALVES)
* If you need the special specification. Please contact us.	



X	SELECTION FOR A PORT CONTROL
3A2	CAVITY ONLY(WITHOUT VALVE)
RP0A	RP3A20AL (200LPM , 7-210bar)

Y	SELECTION FOR B PORT CONTROL
3A2	CAVITY ONLY(WITHOUT VALVE)
RP0A	RP3A20AL (200LPM , 7-210bar)

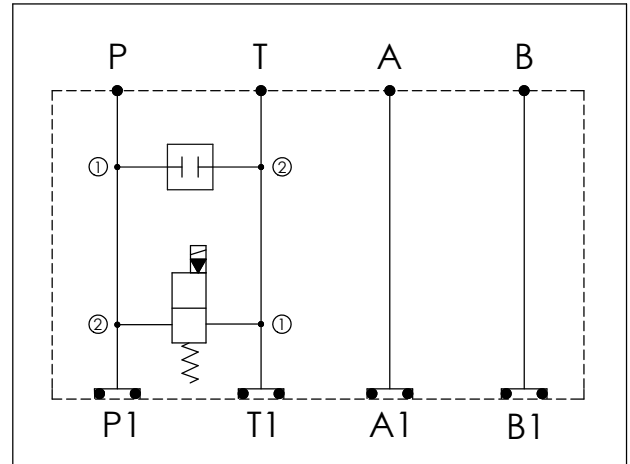
Z	BODY MATERIAL
A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RPD-X-Y-Z 01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

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

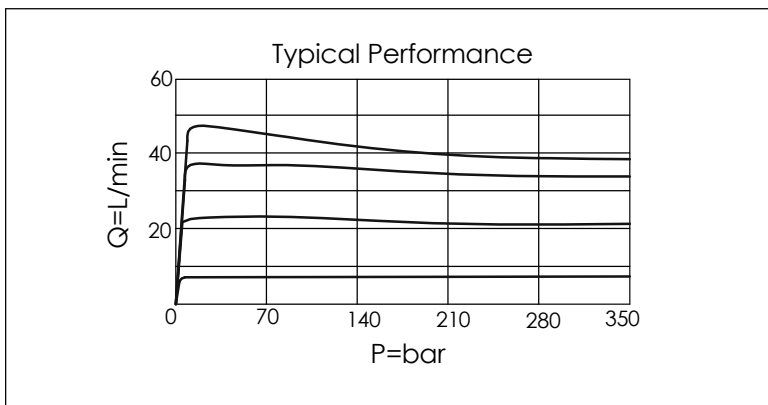
Rated flow: 80 l/min

Cartridge Valve:
 Refer to CP-12W-X-Y-Z
 EP12W-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85 kg(WITHOUT VALVES) 1.5 kg(INCLUDE VALVES ,WITHOUT COIL)
Ductile Iron	2.57 kg(WITHOUT VALVES) 3.22 kg(INCLUDE VALVES ,WITHOUT COIL)

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



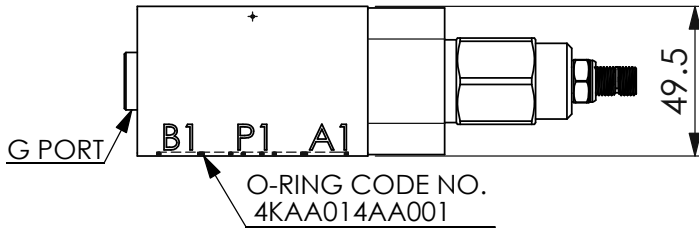
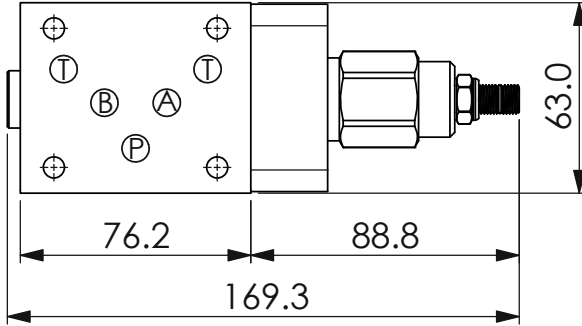
X	SELECTION FOR RELIEF VALVE (PORT ① TO ②, NEAR "B" PORT SIDE)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
CP00	CP12W2H00NN(1-1/16"-12UN-2B , All Ports Blocked)	

Y	SELECTION FOR SOLENOID VALVES (PORT ② TO ①, NEAR "A" PORT SIDE, REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

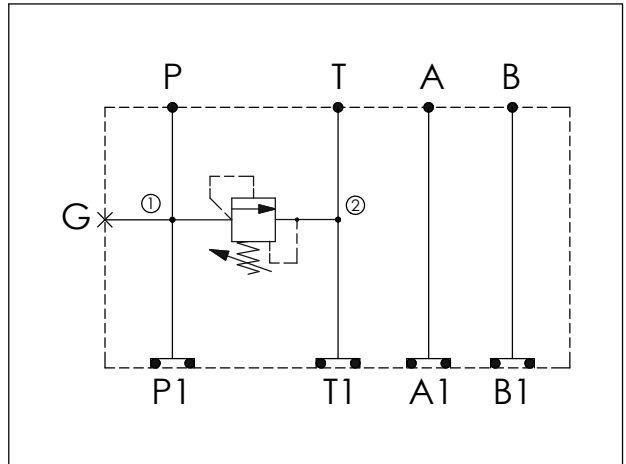
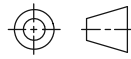
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RPH-X-Y-Z01**
 Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

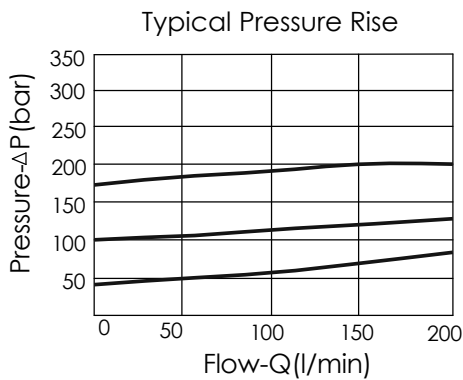
Aluminum Body Pressure Rating: 250 bar
 Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
 Refer to RD3A-X-Y-Z
 * Refer to Winner Cartridge Valves Catalog.

Aluminum	0.7 kg(WITHOUT VALVE) 1.0 kg(INCLUDE VALVE)
Ductile Iron	2.0 kg(WITHOUT VALVE) 2.3 kg(INCLUDE VALVE)

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



X SELECTION FOR P PORT CONTROL

3A2	CAVITY ONLY(WITHOUT VALVE)
RD5A	RD3A25AL (200 LPM , 35-210bar)

Y SELECTION FOR G PORT

G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

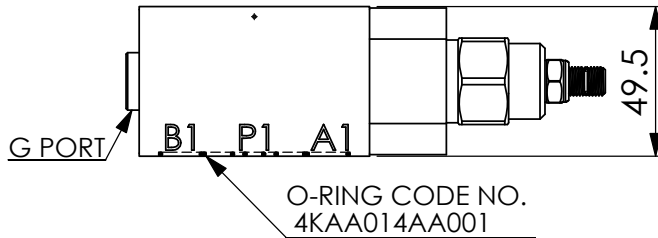
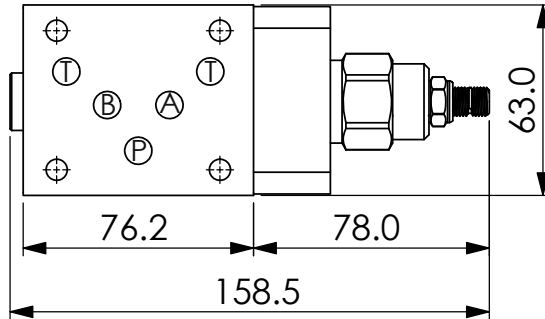
Z BODY MATERIAL

A	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

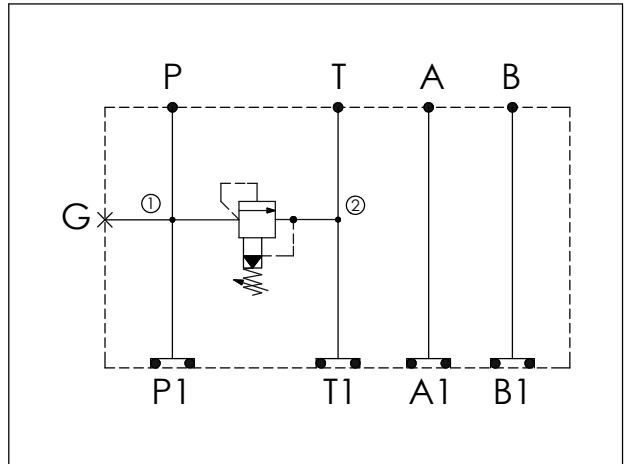
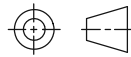
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RPH-X-Y-Z01**

Stack Height : 49.5mm



UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

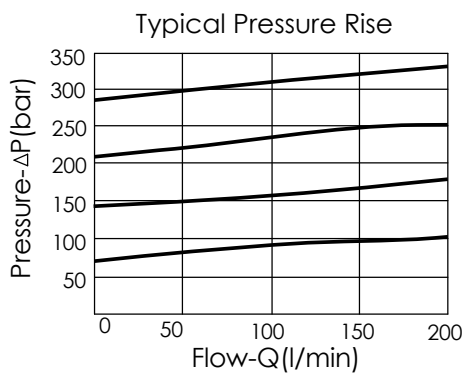
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RP3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.7 kg(WITHOUT VALVE) 1.0 kg(INCLUDE VALVE)
Ductile Iron	2.0 kg(WITHOUT VALVE) 2.3 kg(INCLUDE VALVE)

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



X SELECTION FOR P PORT CONTROL

3A2 CAVITY ONLY(WITHOUT VALVE)

RP0A RP3A20AL (200 LPM , 7-210bar)

Y SELECTION FOR G PORT CONTROL

G02 G 1/4"(Metric)

N02 NPT 1/4"(U.S. Units)

Z BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

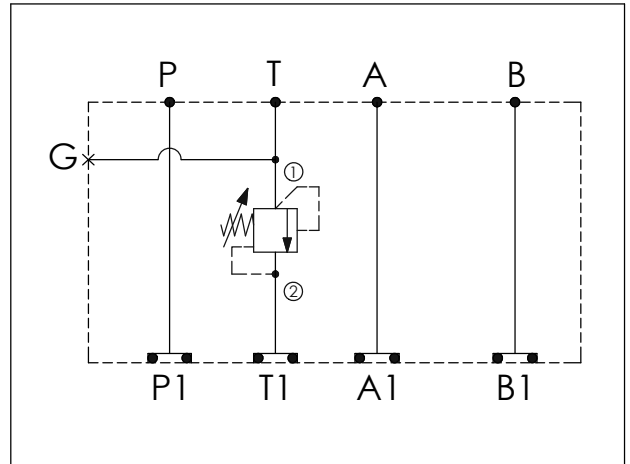
S DUCTILE IRON

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05RTH-X-Y-Z01**

Stack Height : 49.5mm

UNIT:mm



TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

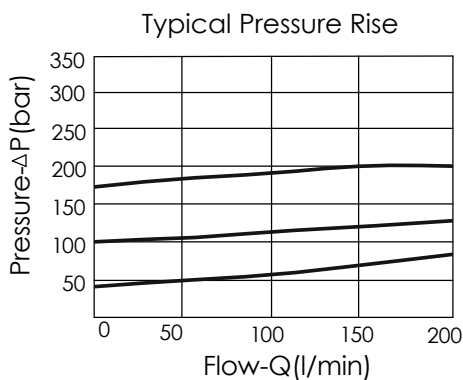
Ductile Iron
Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to RD3A-X-Y-Z
* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.74 kg(WITHOUT VALVE) 1.04 kg(INCLUDE VALVE)

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



X SELECTION FOR T PORT CONTROL

3A2 CAVITY ONLY(WITHOUT VALVE)

RD5A RD3A25AL (200 LPM , 35-210bar)

Y SELECTION FOR G PORT

G02 G 1/4"(Metric)

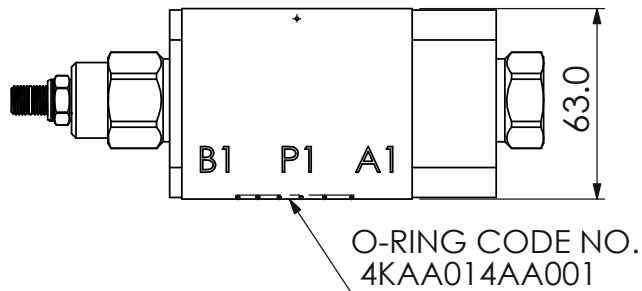
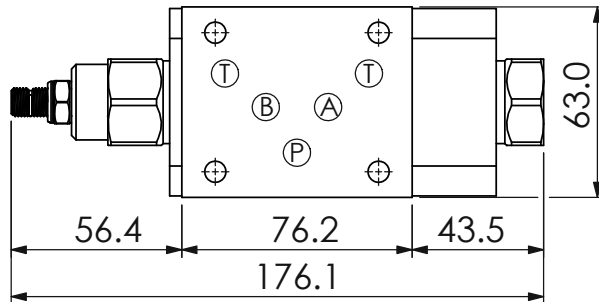
N02 NPT 1/4"(U.S. Units)

Z BODY MATERIAL

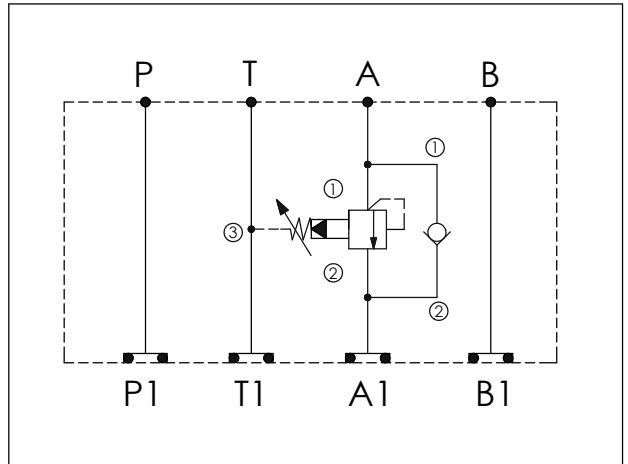
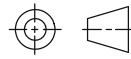
A HIGH-STRENGTH ALUMINUM

ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05SAI-X-Y-Z 03**
 Stack Height :63.0mm



UNIT:mm



TECHNICAL DATA

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

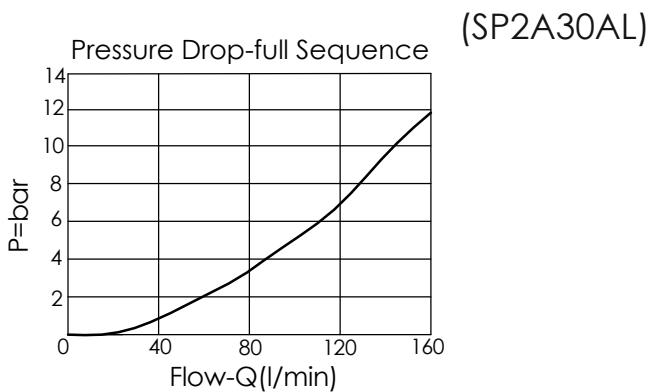
Rated flow: 80 l/min

Cartridge Valve:
 Refer to SP2A-X-Y-Z
 CV5A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.45 kg(INCLUDE VALVES)

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



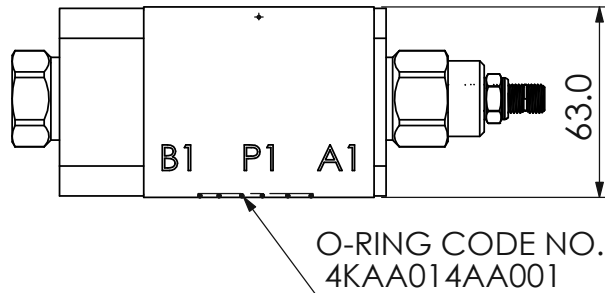
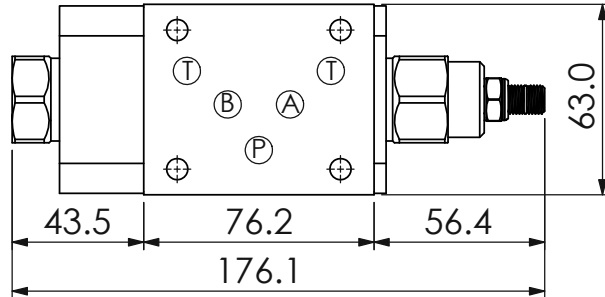
X	SELECTION FOR A PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
SP0A	SP2A30AL (120LPM , 7-210bar)	

Y	SELECTION FOR CHECK VALVE	
5A2	CAVITY ONLY(WITHOUT VALVE)	
CV20	CV5A2120N (120LPM , 2.0bar)	

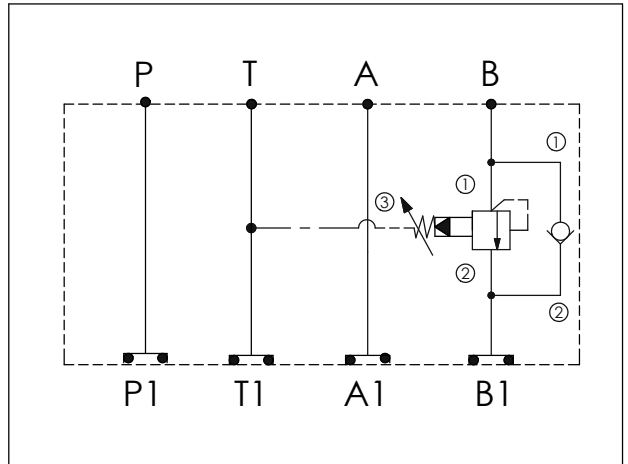
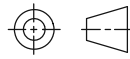
Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

Ordering Code: **MH05SBI-X-Y-Z 03**

Stack Height : 63.0mm



UNIT:mm



TECHNICAL DATA

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

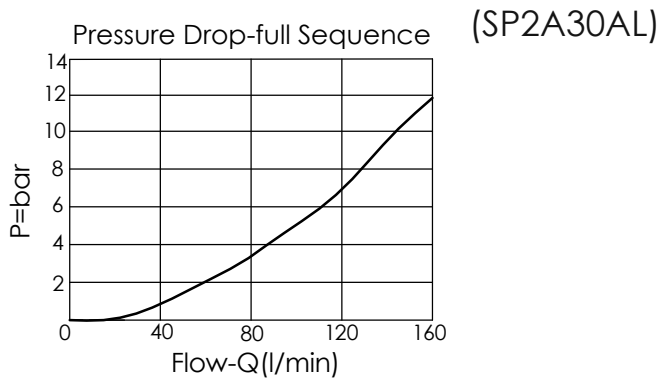
Rated flow: 80 l/min

Cartridge Valve:
 Refer to CV5A-X-Y-Z
 SP2A-X-Y-Z

* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.45 kg(INCLUDE VALVES)
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* If you need the special specification. Please contact us.



X	SELECTION FOR CHECK VALVE	
5A2	CAVITY ONLY(WITHOUT VALVE)	
CV20	CV5A2120N (120LPM , 2.0bar)	

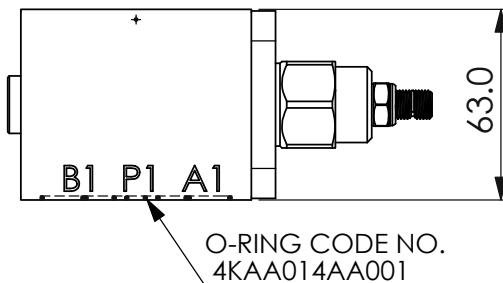
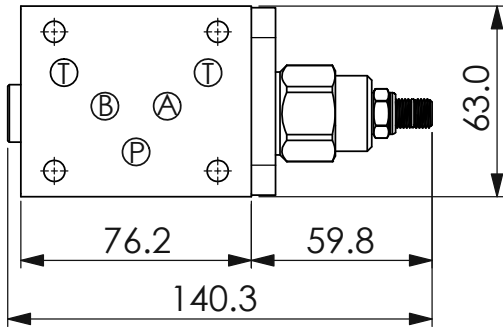
Y	SELECTION FOR B PORT CONTROL	
2A3	CAVITY ONLY(WITHOUT VALVE)	
SPOA	SP2A30AL (120LPM , 7-210bar)	

Z	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	

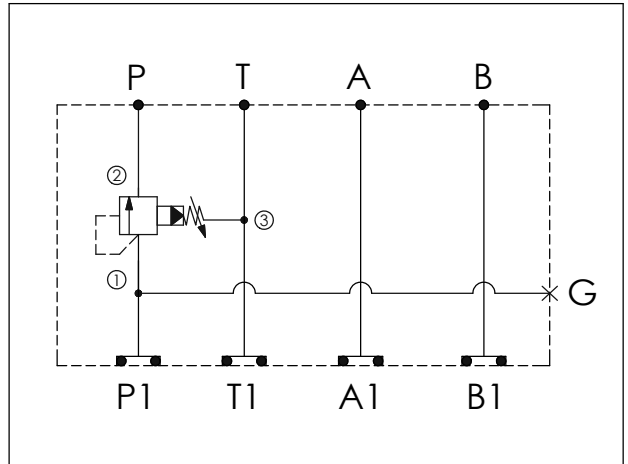
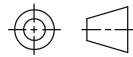
ISO 05 SANDWICH MANIFOLD

Ordering Code: **MH05SPW-X-Y-Z03**

Stack Height : 63.0mm



UNIT:mm



TECHNICAL DATA

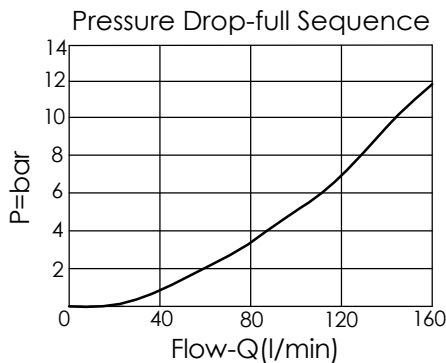
Aluminum Body Pressure Rating: 250 bar
Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 l/min

Cartridge Valve:
Refer to SP2A-X-Y-Z
* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.75 kg(WITHOUT VALVE) 1.05 kg(INCLUDE VALVE)
Ductile Iron	2.1 kg(WITHOUT VALVE) 2.4 kg(INCLUDE VALVE)

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



X SELECTION FOR P PORT CONTROL

2A3 CAVITY ONLY (WITHOUT VALVE)

SP0A SP2A30AL (120 LPM , 7-210bar)

Y SELECTION FOR G PORT

G02 G 1/4"(Metric)

N02 NPT 1/4"(U.S. Units)

Z BODY MATERIAL

A HIGH-STRENGTH ALUMINUM

S DUCTILE IRON

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