





BLOKI CETOP BLOKI PRZYŁĄCZENIOWE CETOP 05 - NG10





"MH" Sandwich Manifolds								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05вDT-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	204			
PÎ TÎ AÎ BÎ								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05CAT-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	205			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05CAW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	206			
P1 T1 A1 B1			(Ductile Holl)					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05CAW-X-Y-Z01	80	250 (Aluminum) 350	49.5	207			
© G			(Ductile Iron)					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05CAW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	208			
P1 T1 A1 B1			(Ductile Holl)					



"MH" Sandwich Manifolds								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
A B P	MH05CAW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	209			
*G								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05CAW-X-Y-Z21	60	250 (Aluminum) 350 (Ductile Iron)	49.5	210			
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05СВТ-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	211			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05CBW-X-Y-Z01	80	250 (Aluminum) 350	49.5	212			
G			(Ductile Iron)					
SYMBOL ISO 05 SANDWICH BODY	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05Свw-Х <mark>-</mark> Ү-Д01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	213			
P1 T1 A1 B1								

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	"MH" Sandwich Manifolds								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P I A B	мн05CBW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	214				
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	мн05CBW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	(215)				
G P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
T AR B	мн05CBW-X-Y-Z21	60	250 (Aluminum) 350 (Ductile Iron)	49.5	216				
P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page				
P A B	мн05CDH-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	217				
P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P A BI	МН05CDS-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	218				
Pl Tl Al Bl									

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	"MH" Sandwich Manifolds								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P A B	MH05CDT-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	219				
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
	мн05CDW-X-Y-Z01	80	250 (Aluminum)  350 (Ductile Iron)	49.5	220				
P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	MH05CDW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	221				
P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	MH05CDW-X-Y-Z01	80	250 (Aluminum)  350 (Ductile Iron)	49.5	222				
P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	MH05CDW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	223				
P1 T1 A1 B1									



	"MH" Sandwich Manifolds								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	MH05CDW-X-Y-Z21	60	250 (Aluminum) 350 (Ductile Iron)	49.5	224				
P1 T1 A1 B1  SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	MH05CDW-X-Y-Z21	60	250 (Aluminum) 350 (Ductile Iron)	49.5	(225)				
Pì Tì Aì Bì  SYMBOL	Main Code	Flow	Pressure	Stack Height	Родо				
ISO 05 SANDWICH MANIFOLD	Wiam Code	1/min	bar	mm	Page				
P T A B	MH05CDW-X-Y-Z21	40	250 (Aluminum) 350 (Ductile Iron)	49.5	226				
P1 T1 A1 B1									
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	мн05EDT-X-Y-Z01	80	250 (Aluminum)  350 (Ductile Iron)	49.5	227				
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page				
P T A B	мн05EDW-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	80	250 (Aluminum) 350 (Ductile Iron)	49.5	228				
P1 T1 A1 B1									

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"MH" Sandwich Manifolds								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05EDW-X-Y-Z21	40	250 (Aluminum) 350 (Ductile Iron)	49.5	229			
P1 T1 A1 B1  SYMBOL		Flow	Pressure	Stack Height				
ISO 05 SANDWICH MANIFOLD	Main Code	l/min	bar	mm	Page			
P T A B	MH05EPP-X-Y-Z03	70	250 (Aluminum) 350 (Ductile Iron)	63.0	230			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05EPP-X-Y-Z03	40	250 (Aluminum) 350 (Ductile Iron)	63.0	231			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05EPW-X-Y-Z01	80	250 (Aluminum)  350 (Ductile Iron)	49.5	232			
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height	Page			
P T A B	MH05ERW-X-Y-Z03	70	250 (Aluminum) 350 (Ductile Iron)	63.0	233			
P1 T1 A1 B1								



	"MH" Sandwich Manifolds							
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05ERW-X-Y-Z03	40	250 (Aluminum) 350 (Ductile Iron)	63.0	234			
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05FAD-X-Y-Z01	40	250 (Aluminum)  350 (Ductile Iron)	49.5	235)			
P1 T1 A1 B1		Flow	n	C4l- W-!-l-4				
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	l/min	Pressure bar	Stack Height mm	Page			
P T A B	МН05FAE-ဩ-Ÿ-Z03	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	63.0	236			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05fae-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	237)			
0								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05FAO-X-Y-Z01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	238			
P1 T1 A1 B1								



	"MH" Sandw	rich Ma	nifolds		
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05fa0-Х-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	239
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05FBD-X-Y-Z01	40	250 (Aluminum) 350 (Ductile Iron)	49.5	240
P1 T1 A1 B1					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05FBE- <mark>Х</mark> - <u>Ү</u> - <u>Z</u> 03	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	63.0	241
P1 T1 A1 B1					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	MH05FBE-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	242
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	MH05FBO-X-Y-Z01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	243
P1 T1 A1 B1					



	"MH" Sandw	ich Ma	nifolds		
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05во-Х-У-Д01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	244)
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	- Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05FDO-ဩ- <u></u> - Д01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	245
P1 T1 A1 B1  SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height	Page
ISO 05 SANDWICH MANIFOLD  P T A B  @ @  O O	мн05FDO-Х-У-Д01	80	250 (Aluminum) 350 (Ductile Iron)	mm 49.5	246
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05FDO-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	247
Pî Tî Aî Bî			<b>D</b>	Q. 1 W.1 1.	
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	MH05FDT-X-Y-Z02	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	40.0	248
P1 T1 A1 B1					



	"MH" Sandwich Manifolds							
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FDT-Х-Ў-Z02	80	250 (Aluminum) 350 (Ductile Iron)	40.0	249)			
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FDT- <mark>\</mark> \ -\ \ -\ \ 202	80	250 (Aluminum) 350 (Ductile Iron)	40.0	250			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FPD-ဩ-Ÿ-Z01	23 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	251)			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FPD-ဩ-Ÿ-Z01	40	250 (Aluminum) 350 (Ductile Iron)	49.5	252			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FPE-X-Y-Z01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	253			
P1 T1 A1 B1								



	"MH" Sandwich Manifolds							
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05FPE-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	254			
PI TI AI BI  SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FPW- <mark>Х-Ү</mark> - <b>Д</b> 01	45 Pressure Compensated	250 (Aluminum)  350 (Ductile Iron)	49.5	255			
P1 T1 A1 B1  SYMBOL	Main Code	Flow	Pressure	Stack Height	Page			
ISO 05 SANDWICH MANIFOLD	Wiain Cout	l/min	bar	mm	1 age			
P T A B	MH05FTD-X-Y-Z01	Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	256			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	MH05FTD-X-Y-Z01	40	250 (Aluminum) 350 (Ductile Iron)	49.5	257			
PI TI AI BI								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FTE-X-Y-Z01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	258			
P1 T1 A1 B1								



	"MH" Sandwich Manifolds							
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FTE-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	259			
Pl Tl Al Bl  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05FTW- <mark>Х-</mark> Ү- <b>Z</b> 01	45 Pressure Compensated	250 (Aluminum) 350 (Ductile Iron)	49.5	260			
PI TI AI BI								
SYMBOL  B to A , Regenerative	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	мн05GBE-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	261			
SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
B to A , Regenerative	MH05GBW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	262			
P1 T1 A1 B1								
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page			
P T A B	МН05КPR-ဩ-ဩ-Д03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	263			
P1 T1 A1 B1								



	"MH" Sandwich Manifolds						
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page		
P T A B T	MH05NDT-N-N-Z01	80	250 (Aluminum) 350 (Ductile Iron)	25.0	264		
P1 T1 A1 B1 T2  SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page		
P T A B	мн05рас-Х-У-Д03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	265		
P1 T1 A1 B1		El		C4l- W-!-l-4			
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page		
P T A B	MH05PPE-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	266		
P1 T1 A1 B1							
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page		
P T A B	МН05PPE-X-Y-Z11	80	250 (Aluminum)  350 (Ductile Iron)	49.5	267		
0							
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page		
P T A B	MH05PPW-ဩ-ဩ-Д01	80	250 (Aluminum)  350 (Ductile Iron)	49.5	268		
Pì Tì Aì Bì							



"MH" Sandwich Manifolds						
SYMBOL ISO OF CANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page	
ISO 05 SANDWICH MANIFOLD  P T A B  G	MH05PPW-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	269	
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page	
P T A B *G	МН05PPW- <mark>X-</mark> Y-Z21	40	250 (Aluminum)  350 (Ductile Iron)	49.5	270	
PÎ TÎ AÎ BÎ  SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page	
P T A B	MH05PPW-X-Y-Z21	40	250 (Aluminum) 350 (Ductile Iron)	49.5	271	
P1 T1 A1 B1  SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page	
ISO 05 SANDWICH MANIFOLD  P T A B  G	МН05RAB- <mark>∑</mark> -У-Д01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	272	
P1 T1 A1 B1  SYMBOL	Main Code	Flow	Pressure	Stack Height	Page	
ISO 05 SANDWICH MANIFOLD  P	MH05RAB-X-Y-Z01	1/min 80	bar 250 (Aluminum)	mm 49.5	273	
G			350 (Ductile Iron)			



	"MH" Sandwi	ich Ma	nifolds		
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	MH05RAH-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	274
P1 T1 A1 B1  SYMBOL	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
ISO 05 SANDWICH MANIFOLD  P T A B  G	MH05RAH-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	275
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	MH05RBA-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	276
P1 T1 A1 B1  SYMBOL		Flow	Pressure	Stack Height	
ISO 05 SANDWICH MANIFOLD	Main Code	l/min	bar	mm	Page
P T A B	MH05RBA-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	277
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	МН05RBH-Х-Y-Д01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	278
P1 T1 A1 B1				-	



	"MH" Sandw	ich Ma	nifolds		
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05RBH-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	279
PI TI AI BI  SYMBOL	25.1.6.1	Flow	Pressure	Stack Height	
ISO 05 SANDWICH MANIFOLD	Main Code	l/min	bar	mm	Page
P T A B	MH05RDH-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	280
P1 T1 A1 B1					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05RDT-ဩ-ဩ-Д01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	281
P1 T1 A1 B1					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow l/min	Pressure bar	Stack Height mm	Page
P T A B	мн05RDT-X-Y-Z01	80	250 (Aluminum)  350 (Ductile Iron)	49.5	282
P1 T1 A1 B1					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	МН05RPD-ဩ-Ÿ-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	283
P1 T1 A1 B1					

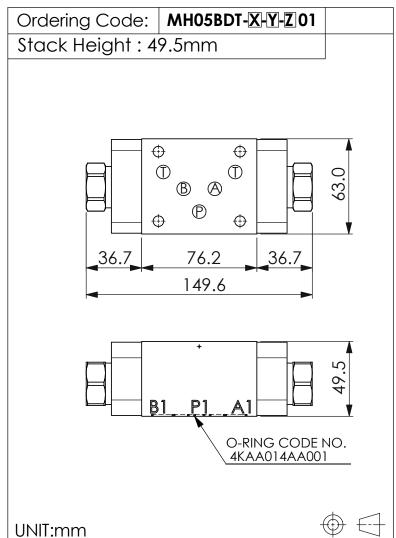


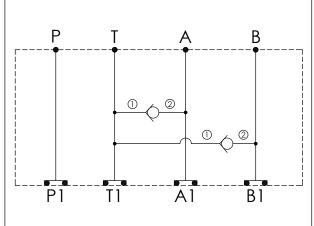
	"MH" Sandw	ich Ma	nifolds		
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	МН05RPH-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	284
P1 T1 A1 B1  SYMBOL  ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05RPH-Х-Ү-Д01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	285
P1 T1 A1 B1					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	мн05RTH-X-Y-Z01	80	250 (Aluminum) 350 (Ductile Iron)	49.5	286
P1 T1 A1 B1  SYMBOL	Main Code	Flow	Pressure	Stack Height	Page
P T A B	MH05SAI-X-Y-Z03	1/min 80	250 (Aluminum) 350 (Ductile Iron)	63.0	287
P1 T1 A1 B1			D.	Ct. I H : It	
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
P T A B	MH05SBI-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	288
P1 T1 A1 B1					



"MH" Sandwich Manifolds					
SYMBOL ISO 05 SANDWICH MANIFOLD	Main Code	Flow 1/min	Pressure bar	Stack Height mm	Page
	MH05SPW-X-Y-Z03	80	250 (Aluminum) 350 (Ductile Iron)	63.0	289
P1 T1 A1 B1					







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

Body Pressure Rating:

Rated flow:

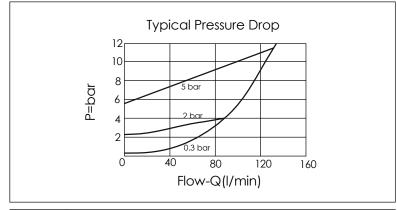
80 I/min

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

<sup>\*</sup> If you need the special specification. Please contact us.



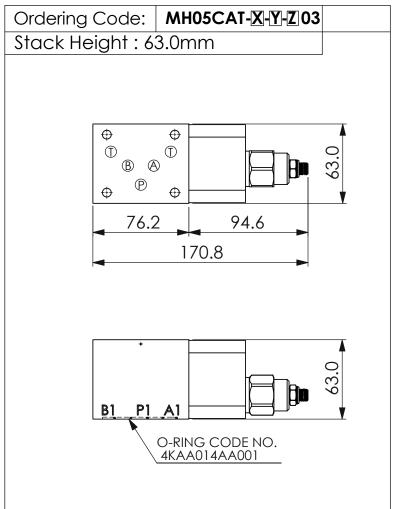
X	SELECTION FOR A PORT CONTROL
5A2	CAVITY ONLY (WITHOUT VALVE)
CV03	CV5A2003N (160 LPM , 0.3bar)

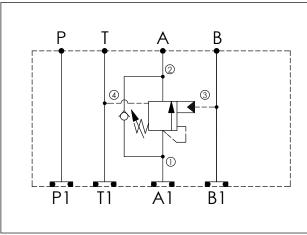
Y	SELECTION FOR B PORT CON	TROL
5A2	CAVITY ONLY (WITHOUT VALVE)	
CV03	CV5A2003N (160 LPM , 0.3bar)	

Z	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON			

Rev.150616 M.BDT.501







Aluminum Body Pressure Rating: 250 bar
Ductile Iron 350 bar

Body Pressure Rating:

Rated flow: 80 1/min

Cartridge Valve:

Pléase contact us.

Refer to CW22A-XI-YI-ZI
\* 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.

Free Flow or Piloted Open Pressure Drop

Free Flow

Pressure Drop

Free Flow

Piloted Open

Piloted Open

Piloted Open

Flow-Q(I/min)

**UNIT:mm** 

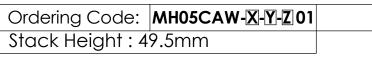
X	SELECTION FOR A PORT	CONTROL
22A4	CAVITY ONLY (WITHOUT VALVE)	
CWAI	CW22A4AIL (1:1 , 105bar)	
CWBF	CW22A4BFL (2:1 , 175bar)	
CWCH	CW22A4CHL (3:1 , 280bar)	
CWEF	CW22A4EFL (5:1 , 175bar)	

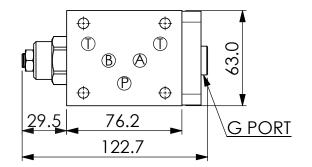
Y	SELECTION FOR G PORT	
N	WITHOUT PORT	
Day 150100		

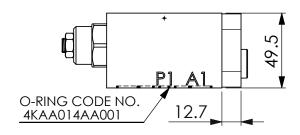
Z	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON			

Rev.150128 M.CAT.571



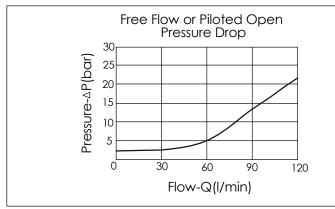






**UNIT:mm** 





-	Р	T A	В
		② [	
		0	G
	P1	1 A1	B1

TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar
Ductile Iron	250 la au

Body Pressure Rating: 350 bar

Rated flow: 80 1/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)	IT VALVE) E VALVE)
Ductile Iron	1.65 kg(WITHOUT VALVE) 2.05 kg(INCLUDE VALVE)	T VALVE) E 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)	

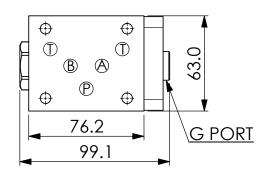
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

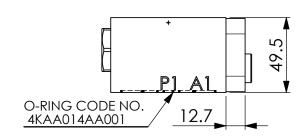
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130312 M.CAW.501



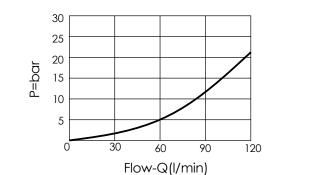






**UNIT:mm** 





(Full Pilot)

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

P	Ţ	A	В	
P1	T1	② ③ ① ①	B1	

IECHNICAL DATA		

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 I/min

### Cartridge Valve:

Refer to CO2A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

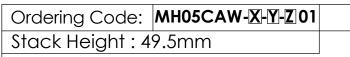
\* If you need the special specification. Please contact us.

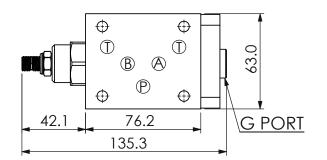
X	SELECTION FOR A PORT CONTROL			
2A3	CAVITY ONLY (WITHOUT VALVE)			
CO20	CO2A3020N (120LPM,2.0bar)			
CO03	CO03 CO2A3003N (120LPM,0.3bar)			
CO50 CO2A3050N (120LPM,5.0bar)				

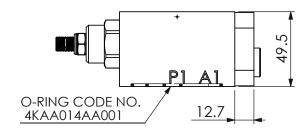
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.130312 M.CAW.502





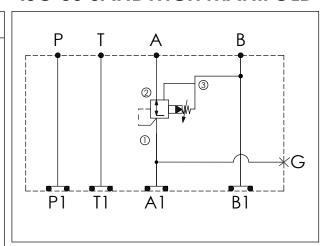




**UNIT:mm** 







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow: 80 I/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)

<sup>\*</sup> If you need the special specification. Pléase contact us.

	Regulated Pressure Relievina Reducina	
Pressure-∆P(bar)	Relieving Reducing 140 120 100 80 60	
Pre	20 -80 -40 0 40 80 120 Flow-Q(I/min)	

X	SELECTION FOR A PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PPOA	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	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

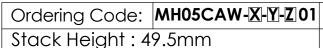
Rev.130312 M.CAW.503

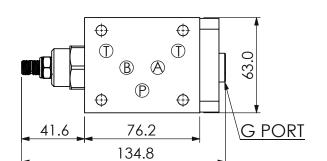


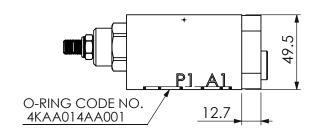
Α

В

Ρ

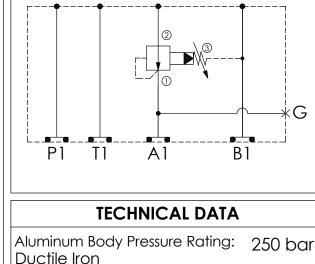






**UNIT:mm** 





| Ductile Iron | Body Pressure Rating: 350 bar

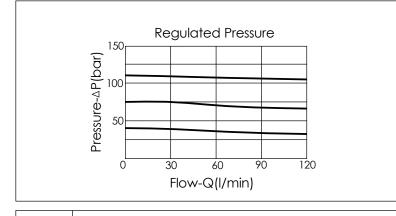
Rated flow: 80 1/min

#### Cartridge Valve: Refer to PB2A-XHY-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)	

<sup>\*</sup> If you need the special specification. Please contact us.



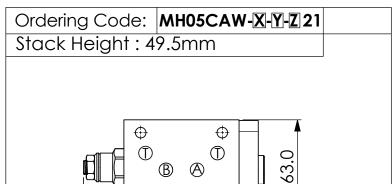
X	SELECTION FOR A PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PB0A	PB2A30AL (80LPM ,7-210bar)	

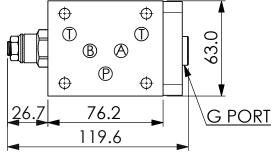
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

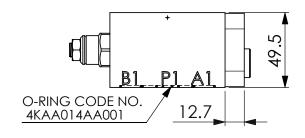
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.130312 M.CAW.504



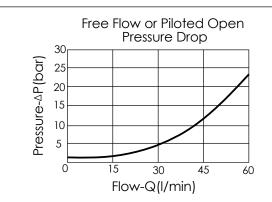






**UNIT:mm** 





Р	Т А	В
Pl T	② ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	G B1

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

**TECHNICAL DATA** 

Body Pressure Rating:

Rated flow: 60 I/min

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

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.65 kg(WITHC 0.85 kg(INCLU	OUT VALVE) DE VALVE)

<sup>\*</sup> If you need the special specification. Pléase contact us.

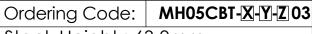
X	SELECTION FOR A PORT	CONTROL
11A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H	CB11A33HL (3:1, 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1, 350bar)	

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

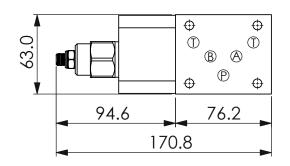
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

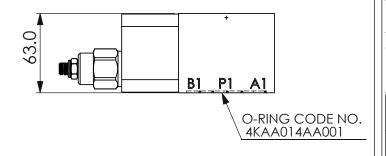
Rev.151020 M.CAW.511





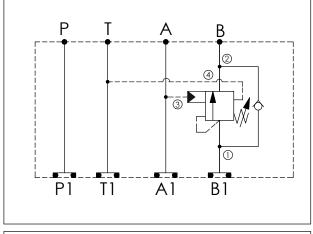
Stack Height: 63.0mm





**UNIT:mm** 





#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar

I/min

Rated flow: 80

Body Pressure Rating:

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

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

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

Free Flow or Piloted Open Pressure Drop	
20 16 16 17 18 Piloted Open 0 30 60 90 120 Flow-Q(I/min)	)

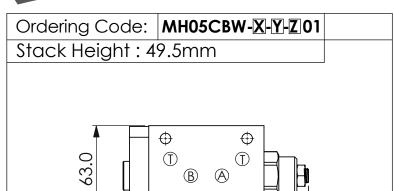
X	SELECTION FOR G PORT		
N	WITHOUT PORT		

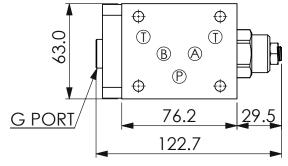
Y	SELECTION FOR B PORT CONTROL	
22A4	CAVITY ONLY(WITHOUT VALVE)	
CWAI	CW22A4AIL (1:1 , 105bar)	
CWBF	CW22A4BFL (2:1 , 175bar)	
CWCH	CW22A4CHL (3:1 , 280bar)	
CWEF	CW22A4EFL (5:1 , 175bar)	

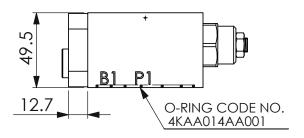
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.150128 M.CBT.571



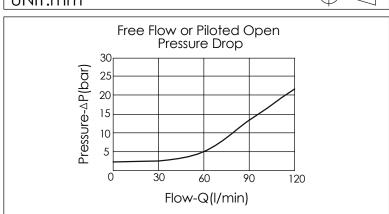






**UNIT:mm** 





	P	T	A	В	_
				<b>2</b>	
G*			3		
	P1	T1	A1	10 B1	
	' '		7 ( 1	וט	

## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 1/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)		
СВЗН	CB2A33HL (3:1 , 280bar)		
CB4J	CB2A34JL (4.5:1 , 350bar)		
CB0J	CB2A30JL (10:1, 350bar)		

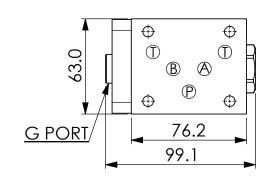
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S			

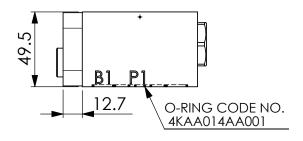
Rev.130312 M.CBW.501





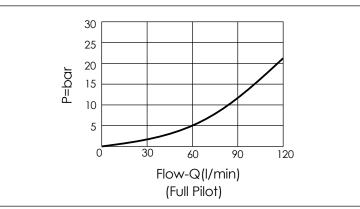
Stack Height: 49.5mm





**UNIT:mm** 





P T A B	
3 2	
P1 T1 A1 B1	

#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

80 I/min

Cartridge Valve: Refer to CO2A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

<sup>\*</sup> If you need the special specification. Pléase contact us.

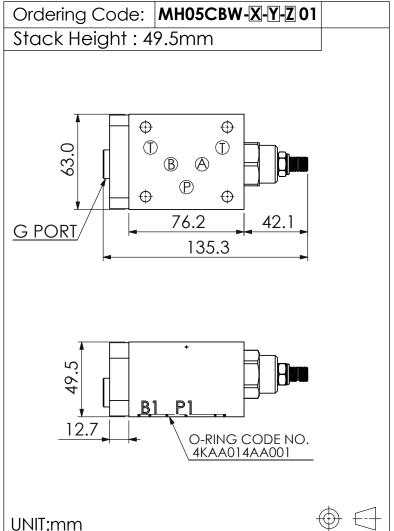
X	SELECTION FOR G PORT		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

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		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130312 M.CBW.502





Р	Ţ	A	В
G P1	T1	③ <b>M</b>	© © B1

TECHNICAL DATA

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

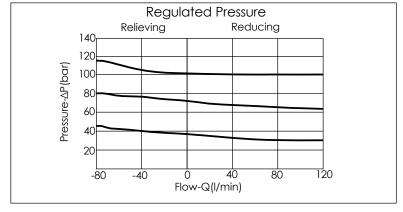
Rated flow: 80 1/min

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.



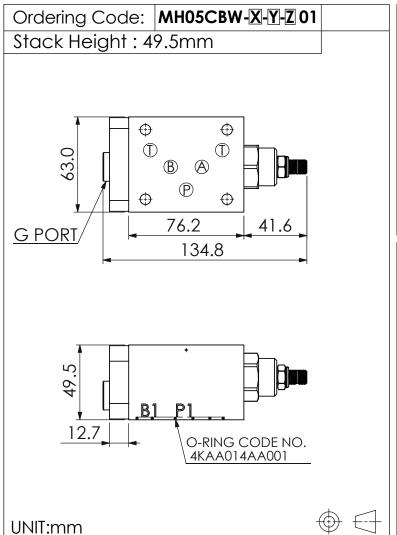
X	SELECTION FOR G PORT		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

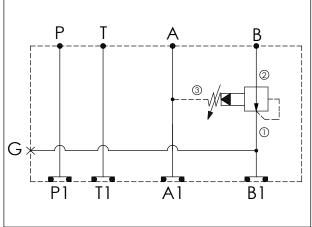
SELECTION FOR B PORT CONTROL		
CAVITY ONLY (WITHOUT VALVE)		
PP2A30AL(80LPM,7.0~210bar) (Pilot Operated Reducing/Relieving)		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130312 M.CBW.503







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

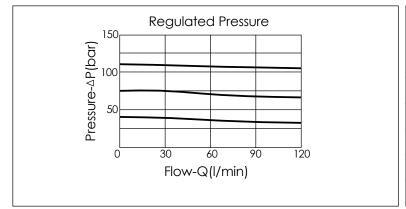
Rated flow: 80 I/min

#### 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.



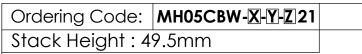
X	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

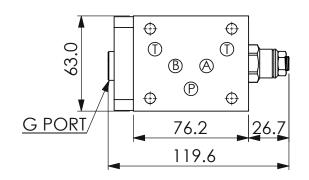
Y	SELECTION FOR B PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PB0A	PB2A30AL (80LPM , 7-210bar)	

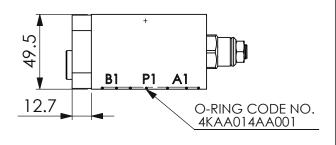
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130312 M.CBW.504



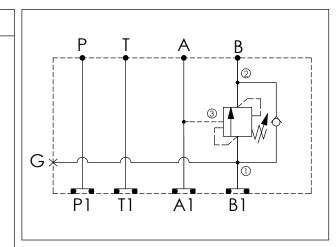






**UNIT:mm** 





#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

60 I/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. Pléase contact us.

	Pressu	re Drop	Open	_
				1
1.	5 3	0 4	5 <i>6</i>	50
I	Flow-Q	I/min)		
	-	15 3		15 30 45 6

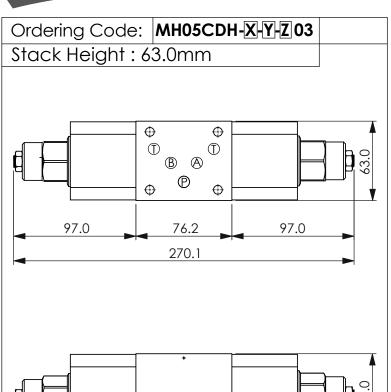
X	SELECTION FOR G PORT
G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Y	SELECTION FOR B PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1, 350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.151020 M.CBW.511





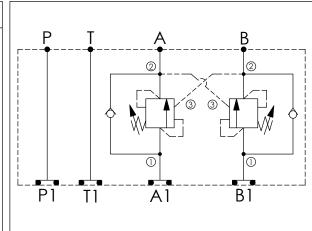
**B**1

**UNIT:mm** 

P1

A1

O-RING CODE NO. 4KAA014AA001



#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 1/min

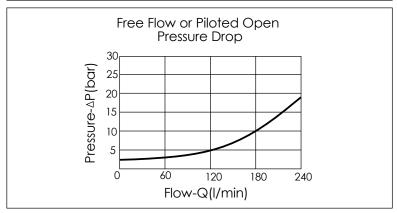
#### Cartridge Valve:

Refer to CB17A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	1.35 kg(WITHOUT VALVES) 2.55 kg(INCLUDE VALVES)

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



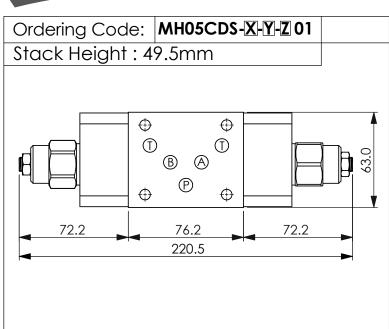
X	SELECTION FOR A PORT	CONTROL
17A3	CAVITY ONLY (WITHOUT VALVE)	
CBCH	CB17A3CHL (3:1, 280bar)	
СВАН	CB17A3AHL (1.5:1, 280bar)	
CBDK	CB17A3DKL (4.5:1 , 175bar)	
CBJK	CB17A3JKL (10:1 , 175bar)	

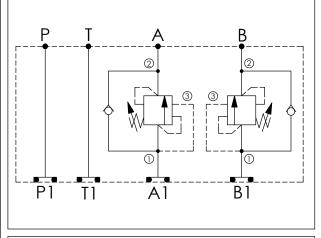
Y	SELECTION FOR B PORT CONTROL	
17A3	CAVITY ONLY (WITHOUT VALVE)	
CBCH	CB17A3CHL (3:1, 280bar)	
СВАН	CB17A3AHL (1.5:1 , 280bar)	
CBDK	CB17A3DKL (4.5:1 , 175bar)	
CBJK	CB17A3JKL (10:1 , 175bar)	

Z	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM	GH-STRENGTH ALUMINUM		

Rev.130312 M.CDH.571







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron
Body Pressure Rating:

350 bar

Rated flow: 80 1/min

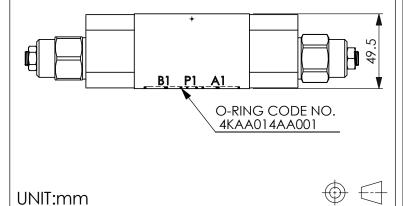
#### Cartridge Valve:

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.



Free Flow or Piloted Open Pressure Drop	
Pressor 25 10 10 10 20 10	
0 30 60 90 120 Flow-Q(I/min)	

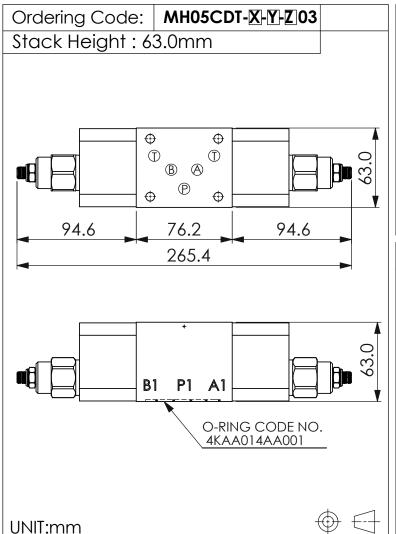
X	SELECTION FOR A PORT	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1, 280bar)	
CB4J	CB2A34JL (4.5:1 , 350bar)	
CB0J	CB2A30JL (10:1, 350bar)	

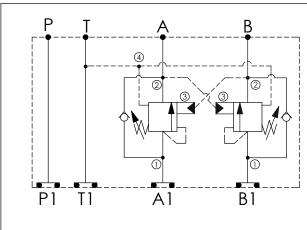
Y	SELECTION FOR B PORT CONTROL		
2A3	CAVITY ONLY (WITHOUT VALVE)		
СВЗН	CB2A33HL (3:1, 280bar)		
CB4J	CB2A34JL (4.5:1 , 350bar)		
CB0J	CB2A30JL (10:1 , 350bar)		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130312 M.CDS.501







# Aluminum Body Pressure Rating: 250 bar Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 80 1/min

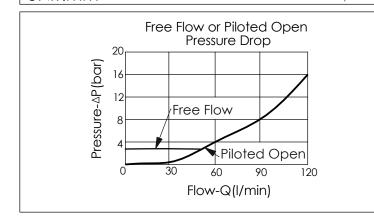
Cartridge Valve:

Refer to CW22A-XI-YI-ZI

\* Refer to Winner Cartridge Valve Catalog.

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

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



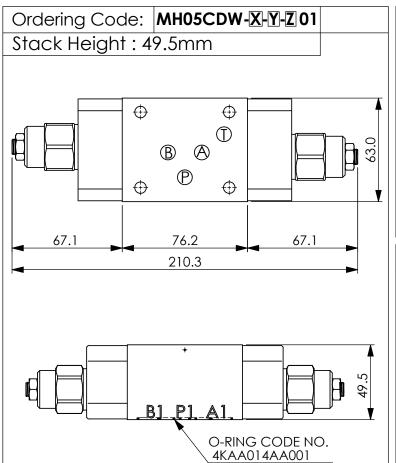
X	SELECTION FOR A PORT C	CONTROL
22A4	CAVITY ONLY (WITHOUT VALVE)	
CWAI	CW22A4AIL (1:1 , 105bar)	
CWBF	CW22A4BFL (2:1 , 175bar)	
CWCH	CW22A4CHL (3:1 , 280bar)	
CWEF	CW22A4EFL (5:1 , 175bar)	

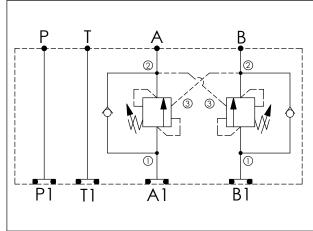
Y	SELECTION FOR B PORT CONTROL		
22A4	CAVITY ONLY (WITHOUT VALVE)		
CWAI	CW22A4AIL (1:1 , 105bar)		
CWBF	CW22A4BFL (2:1 , 175bar)		
CWCH	CW22A4CHL (3:1 , 280bar)		
CWEF	CW22A4EFL (5:1 , 175bar)		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130419 M.CDT.571







#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 80 1/min

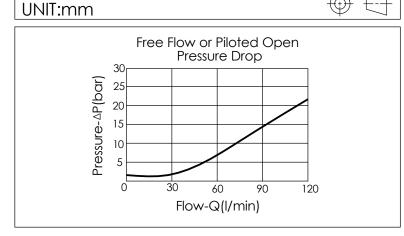
#### Cartridge Valve:

Refer to CB2A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

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



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

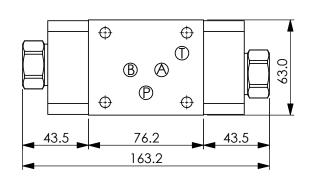
Y	SELECTION FOR B PORT CONTROL		
2A3	CAVITY ONLY (WITHOUT VALVE)		
СВЗН	CB2A33HL (3:1, 280bar)		
CB4J	CB2A34JL (4.5:1 , 350bar)		
CB0J	CB2A30JL (10:1 , 350bar)		

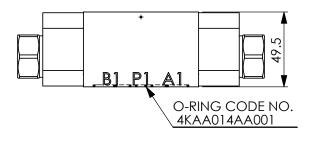
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.121218 M.CDW.501



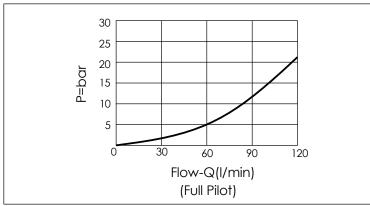






**UNIT:mm** 





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)	

Р	ΓΑ	В
	2 3	
	0	
P1 T	1 A1	B1

### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

80 I/min

### Cartridge Valve: Refer to CO2A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

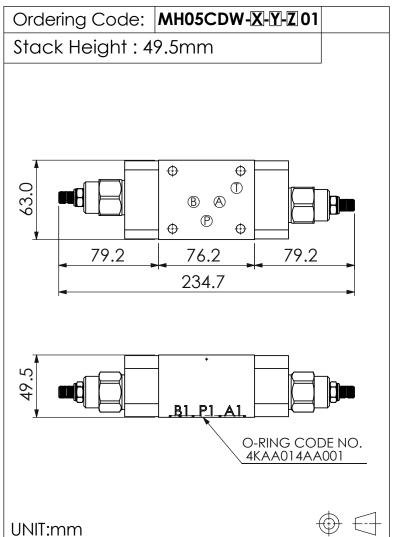
<sup>\*</sup> If you need the special specification. Please contact us.

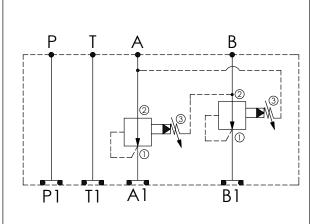
X	SELECTION FOR A PORT	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
CO20	CO2A3020N (120LPM,2.0bar)	
CO03	CO2A3003N (120LPM,0.3bar)	
CO50	CO2A3050N (120LPM,5.0bar)	

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.121218 M.CDW.502







#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

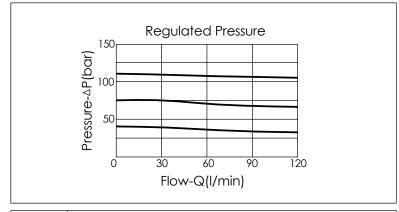
Rated flow: 80 I/min

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

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85 1.4	kg(WITHOUT VALVES) kg(INCLUDE VALVES)
Ductile Iron	2.4 2.95	kg(WITHOUT VALVES) 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)		
<b>PBOA</b>	PB2A30AL (80LPM ,7-210bar)		

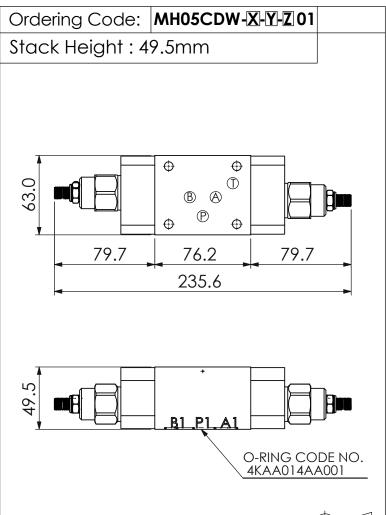
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

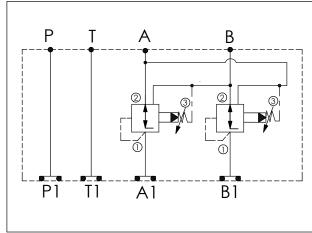
Rev.130419 M.CDW.503



**UNIT:mm** 

### ISO 05 SANDWICH MANIFOLD





### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

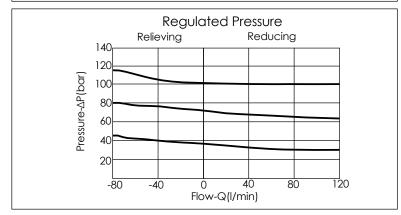
Rated flow: 80 I/min

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

\* Refer to Winner Cartridge Valves Catalog.

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

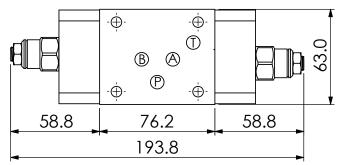
Y	SELECTION FOR B PORT CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)
PP0A	PP2A30AL(80LPM,7.0~210bar) (Pilot Operated Reducing/Relieving)

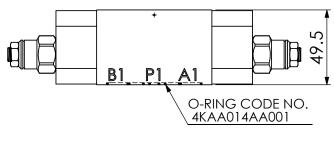
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.121218 M.CDW.504



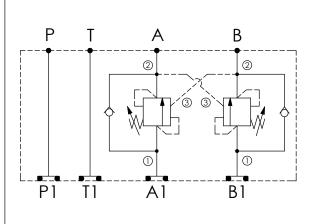






**UNIT:mm** 





### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

60 I/min

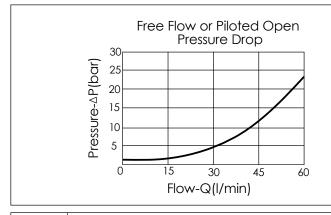
### Cartridge Valve:

Refer to CB11A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.35 kg(INCLUDE VALVES)

<sup>\*</sup> If you need the special specification. Pléase contact us.



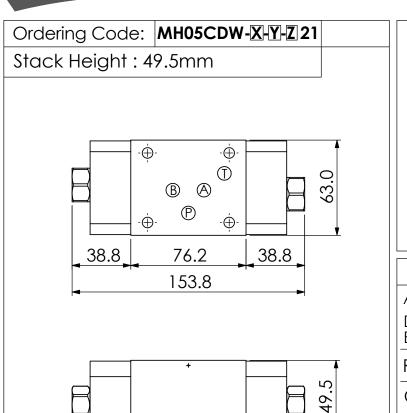
X	SELECTION FOR A PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1, 350bar)	

Y	SELECTION FOR B PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB11A33HL (3:1, 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1, 350bar)	

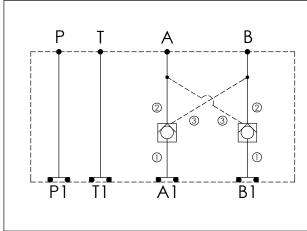
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

M.CDW.511 Rev.151021





O-RING CODE NO. 4KAA014AA001



### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow:

60 I/min

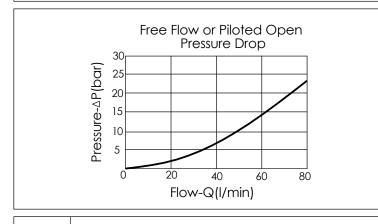
### Cartridge Valve:

Refer to CO11A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES) 1.25 kg(INCLUDE VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.



**UNIT:mm** 

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	
Α	HIGH-STRENGTH ALUMINUM	

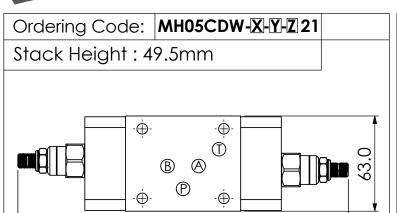
M.CDW.512 Rev.151021



71.2

**UNIT:mm** 

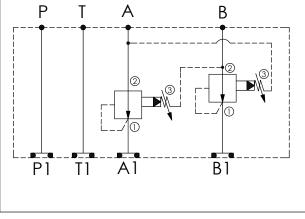
### ISO 05 SANDWICH MANIFOLD



76.2

218.6

71.2



## S **B**1 O-RING CODE NO. 4KAA014AA001

### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow:

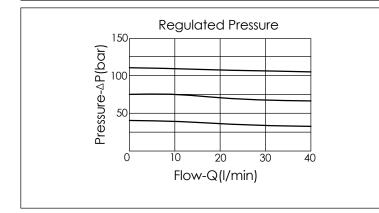
40 I/min

Cartridge Valve: Refer to PB11A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 1.3	kg(WITHOUT VALVES) kg(INCLUDE VALVES)

<sup>\*</sup> If you need the special specification. Pléase contact us.



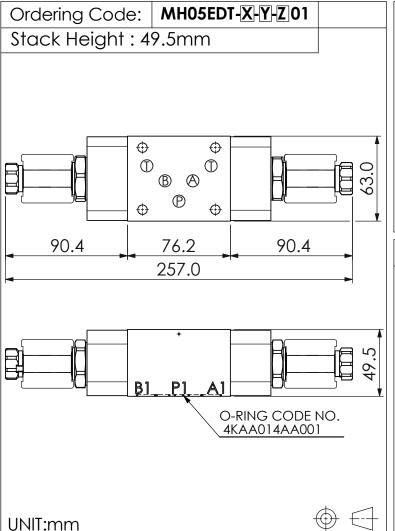
X	SELECTION FOR A PORT	CONTROL
11A3	CAVITY ONLY (WITHOUT VALVE)	
PB0A	PB11A30AL (40LPM ,7-210bar)	

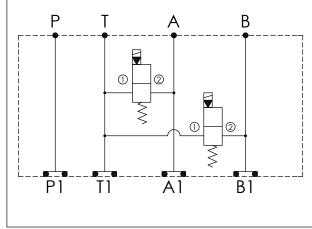
Y	SELECTION FOR B PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
PB0A	PB11A30AL (40LPM ,7-210bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.130312 M.CDW.513







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 80 1/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)

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

### 12 (log) 8 8 4 2 0 30 60 90 120 150 Flow-Q(I/min)

X	SELECTION FOR A PORT CONTROL (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EPO1	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)	

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)	
0011		

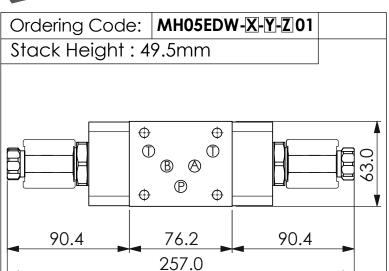
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

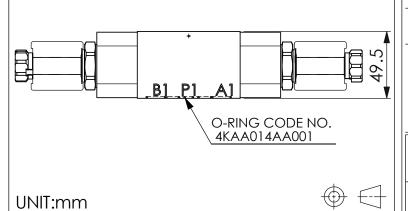
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

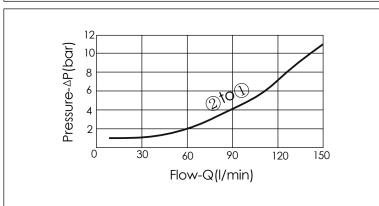
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

Rev.130312 M.EDT.501



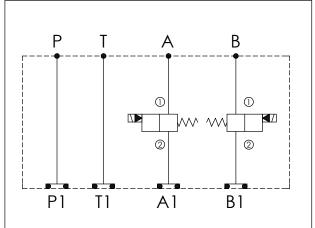






Y	SELECTION FOR B PORT CONTROL (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY(WITHOUT VALVE)	
EPO1	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE, WITHOUT COIL)	
EP02P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE OPDEPED SEPARATELY		

COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-XI-YI-ZI)



#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 80 1/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)

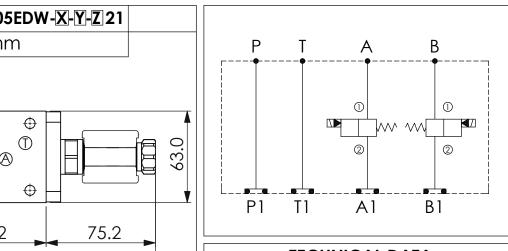
\* If you need the special specification. Please contact us.

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

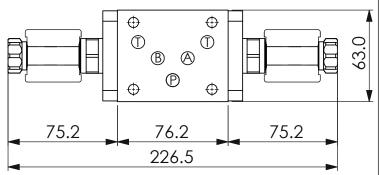
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

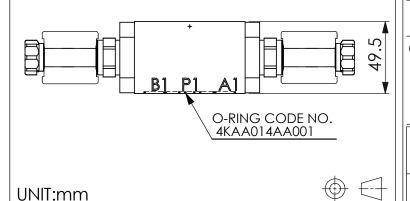
Rev.130312 M.EDW.501





# Ordering Code: MH05EDW-X-Y-Z21 Stack Height: 49.5mm





# 

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)

**TECHNICAL DATA** 

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow: 40 1/min

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

\* 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.

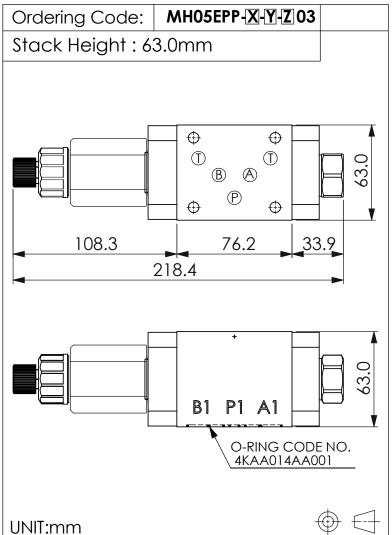
X	SELECTION FOR A PORT CONTROL (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY (WITHOUT VALVE)	
EPO1	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	

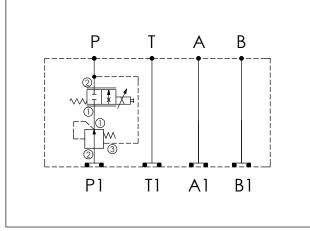
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-XI-YI-ZI)

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.130312 M.EDW.511







# TECHNICAL DATA Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 70 I/min

Cartridge Valve:
Refer to LP2A-X-Y-Z
PFC17E-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 1.6	kg(WITHOUT VALVES) kg(INCLUDE VALVES ,WITHOUT COIL)

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

105 <sub>г</sub>	Flow vs Command at 14 bar Differential
70	PFC17E2G0700M
35	
0 2	PFC17E2G0350M 20 40 60 80 100
	% Command

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

Y	SELECTION FOR FLOW CONTRO (REFER TO PFC17E-X-Y-Z)	OL VALVE
17E2	CAVITY ONLY (WITHOUT VALVE)	
PFC35	PFC17E2G0350M(35LPM)	
PFC70	PFC17E2G0700M(70LPM)	
COIL MUST BE ORDERED SEPARATELY		

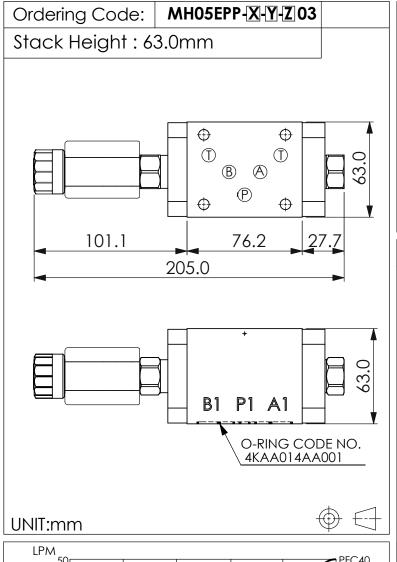
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

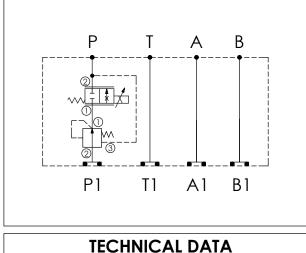
(REFER TO EC-23C-X-Y-Z)

Rev.130312

M.EPP.571







Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

40 I/min

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

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 1.5	kg(WITHOUT VALVES) kg(INCLUDE VALVES ,WITHOUT COIL)

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

If you n Please	cor	d more info tact our s	ormation sales dep	artment			
			%	Comman	-	,	
8	0	2	20	40 6	3 0	30 1	00
n be	•						PFC06 PFC03
∆Pat	10						
<u> </u>	20						PFC14
Regulated Flow (①→②) ^P=14 bar							
<u>∪</u> >≒	30						PFC28
$\uparrow$	40						1
$\bigcirc$	50						PFC40

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

Y	SELECTION FOR FLOW CONTRO (REFER TO PFC13A-X-Y-Z)	L VALVE
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)	
C	OIL MUST BE ORDERED SEPARAT	ELY

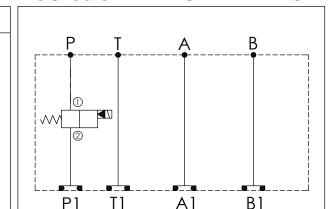
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

(REFER TO EC-19A-X-Y-Z)

Rev.130312 M.EPP.572

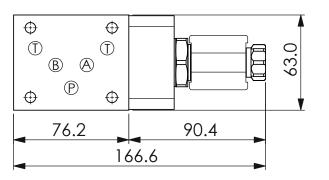
DEC 40

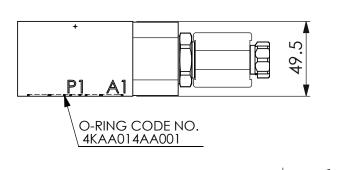




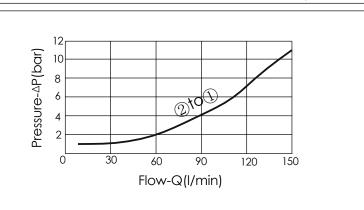
### Ordering Code: MH05EPW-X-Y-Z01

Stack Height: 49.5mm





**UNIT:mm** 



Y	SELECTION FOR G PORT		
N	WITHOUT PORT		

**TECHNICAL DATA** 

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

80 I/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)

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

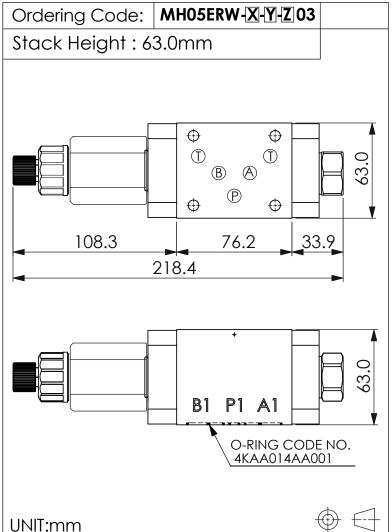
X	SELECTION FOR P PORT CONTROL (REFER TO EP12W-X-Y-Z)		
12W2	CAVITY ONLY (WITHOUT VALVE)		
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	·	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)		
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)		
EPO2P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)		

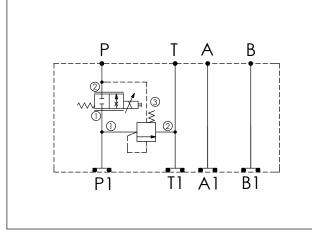
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.130312 M.EPW.501







Aluminum Body Pressure Rating: 250 bar

**TECHNICAL DATA** 

Ductile Iron Body Pressure Rating:

Rated flow: 70 I/min

350 bar

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.

10	Flow vs Command at 14 bar Differential
10.	PFC17E2G0700M
₩ A A A A A A A A A A A A A A A A A A A	
	PFC17E2G0350M 0 20 40 60 80 100
	% Command
	ELECTION FOR FLOW CONTROL VALVE

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

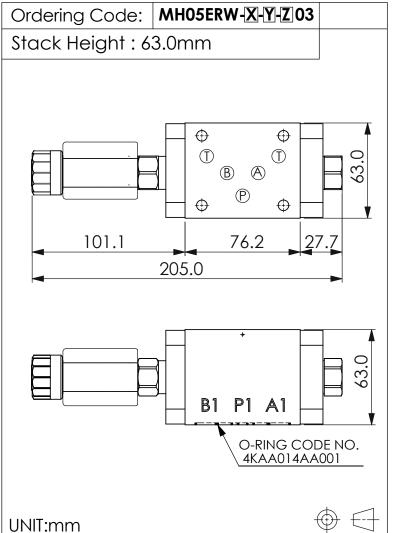
Y	Y SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC17E-X-Y-Z)	
17E2	CAVITY ONLY (WITHOUT VALVE)	
PFC35	PFC17E2G0350M(35LPM)	
PFC70	PFC17E2G0700M(70LPM)	
COIL MUST BE ORDERED SEPARATELY		

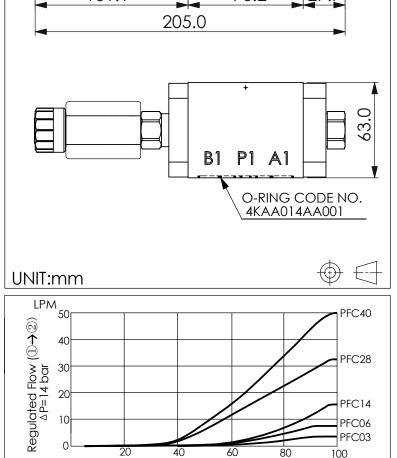
(REFER TO EC-23C-X-Y-Z)

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.130419 M.ERW.571



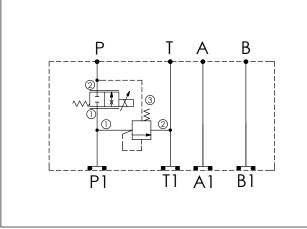




Please contact our sales department		
Y	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)	
13A2	CAVITY ONLY (WITHOUT VALVE)	
PFC03	PFC13A2D0030N(0.3~3LPM)	
PFC06	PFC13A2D0060N(0.4~6LPM)	
PFC14	PFC13A2D0140N(0.6~14LPM)	
PFC28	PFC13A2D0280N(0.8~28LPM)	
PFC40	PFC13A2D0400N(1.0~40LPM)	
COIL MUST BE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

% Command

If you need more information



### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 40 I/min

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

\* Refer to Winner Cartridge Valves Catalog.

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

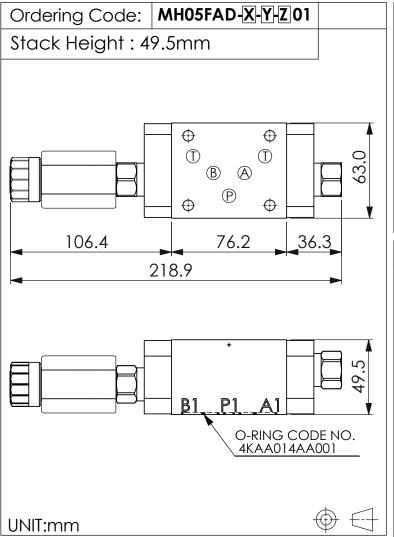
\* If you need the special specification. Pléase contact us.

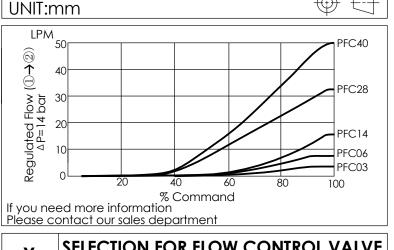
X	SELECTION FOR COMPENSATOR		
11A3	CAVITY ONLY (WITHOUT VALVE)		
LR140	LR11A30140N(60LPM,14.0bar)		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

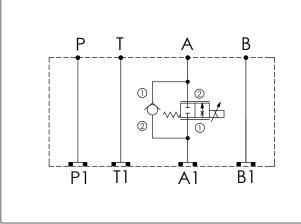
Rev.130419 M.ERW.572







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

350 bar Body Pressure Rating:

Rated flow: 40 I/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)

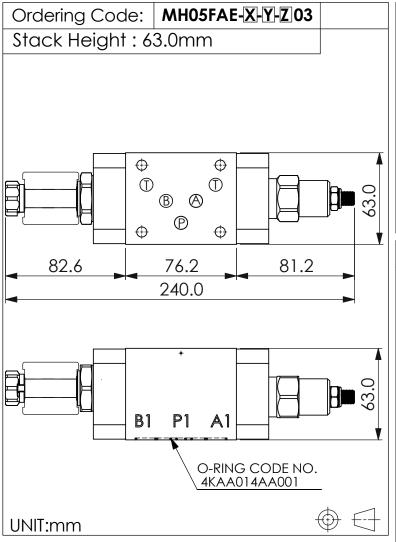
\* If you need the special specification. Pléase contact us.

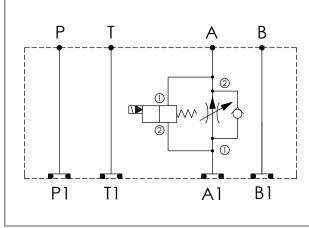
X	SELECTION FOR COMPENSATOR		
13A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV13A2020N(80LPM,2.0bar)		

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150521 M.FAD.501







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating: 350 bar

Rated flow: 45 I/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.

Typical Performance  60  20  70  140  210  280  350  P=bar					
70 140 210 280 350	40	Туріса	l Performo	ance	
0 70 140 210 280 350	00				
0 70 140 210 280 350					
0 70 140 210 280 350	im ja				
0 70 140 210 280 350	1 20				
110 210 200	6 20				
110 210 200	<u> </u>				
P=bar	0	/0 1		280	350
			P=bar		

	X	SELECTION FOR FLOW CONTROL
	5A2	CAVITY ONLY (WITHOUT VALVE)
70 140 210 280 350 P=bar	FROA	FR5A20AL (45 LPM , 350bar)
ELECTION FOR SOLENOID VALVES		

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		

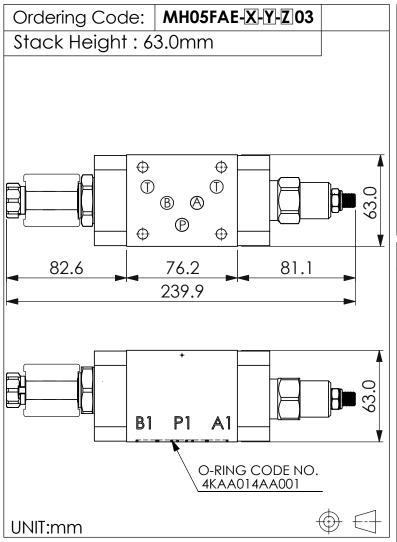
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

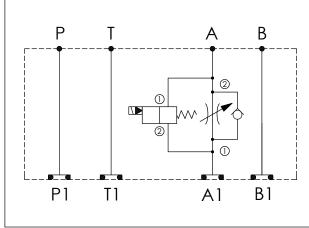
(REFER TO EC-04W-XHYHZ)

Rev.130312

M.FAE.571







Aluminum Body Pressure Rating: 250 bar

Ductile Iron

**TECHNICAL DATA** 

350 bar Body Pressure Rating:

Rated flow: 80 I/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. Pléase contact us.

Reverse Flow Pressure Drop With Needle Closed			
16			
12			
8 4			
0 3			

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

Y	SELECTION FOR SOLENOID VA (REFER TO EP12W-X-Y-Z)	ALVES
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 SEPARATEL	Υ

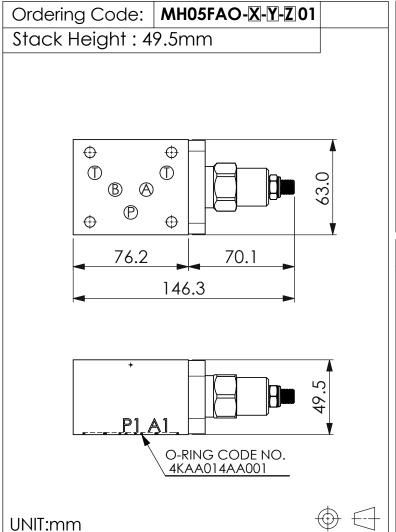
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

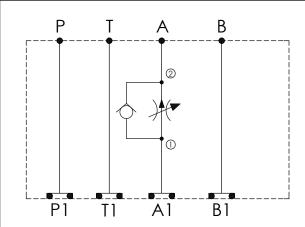
(REFER TO EC-04W-X-Y-Z)

Rev.150521 M.FAE.572

Z







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 45 I/min

(Pressure Compensated)

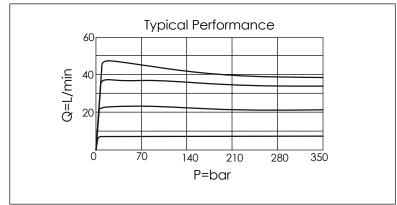
Cartridge Valve:

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)

<sup>\*</sup> If you need the special specification. Please contact us.



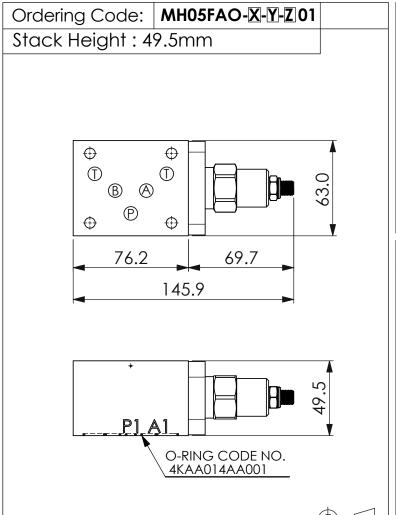
X	SELECTION FOR A PORT	CONTROL
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

Y	SELECTION FOR B PORT CON	TROL
N	WITHOUT PORT	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.140911 M.FAO.501





Р	Ţ	A	В	
		2		
		) (*		
		1		
P1	T1	<b>A</b> 1	В1	

### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

I/min

Rated flow: 80

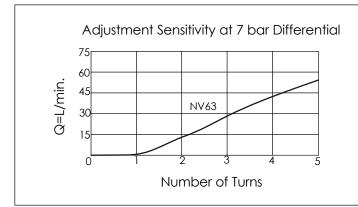
Cartridge Valve:

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.



**UNIT:mm** 

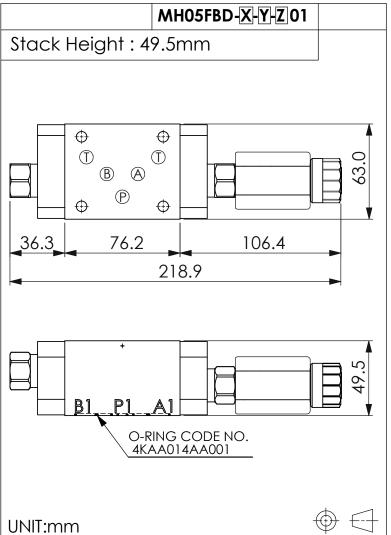
X	SELECTION FOR A PORT CONTROL
5A2	CAVITY ONLY(WITHOUT VALVE)
NV63	NV5A2063L (350bar)

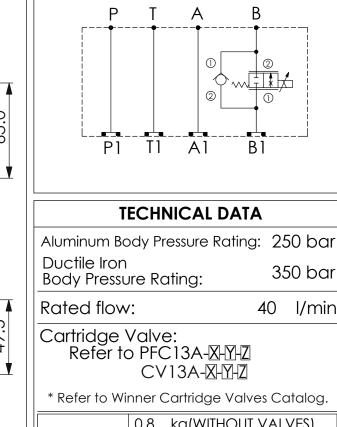
Y	SELECTION FOR B PORT CONTROL	
N	WITHOUT PORT	

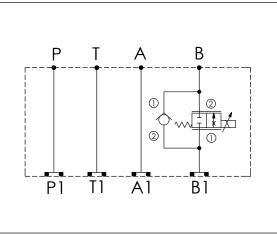
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

M.FAO.502 Rev.150521









**TECHNICAL DATA** 

350 bar

I/min

40

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)

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

50		PFC40
(S)		
40		
		PFC28
≥ 20		
元 <sup>4</sup> 20		
\$\frac{1}{2} \tag{4}		PFC14
₽ 10		PFC06
Regulated Flow (□→◎)  ΔP=14 bar  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		PFC03
% 0	20 40 60	80 100
	% Command	
If you need	d more information ntact our sales department	
Please cor	ntact our sales department	

IPM

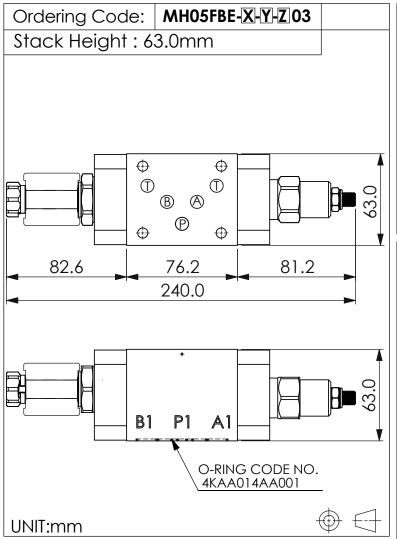
X	SELECTION FOR FLOW CONTROL VALVE (REFER TO PFC13A-X-Y-Z)
13A2	CAVITY ONLY(WITHOUT VALVE)
PFC03	PFC13A2D0030N(0.3~3LPM)
PFC06	PFC13A2D0060N(0.4~6LPM)
PFC14	PFC13A2D0140N(0.6~14LPM)
PFC28	PFC13A2D0280N(0.8~28LPM)
PFC40	PFC13A2D0400N(1.0~40LPM)
COIL	MUST BE ORDERED SEPARATELY (REFER TO EC-19A-X-Y-Z)

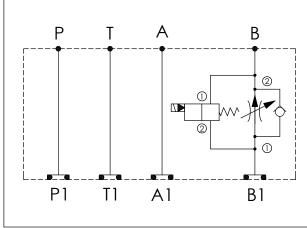
Y	SELECTION FOR CHECK VALVE	
13A2	CAVITY ONLY (WITHOUT VALVE)	
CV20	CV13A2020N (80LPM,2.0bar)	

Z	BODY MATER	IAL
Α	HIGH-STRENGTH ALUMINUM	

Rev.150521 M.FBD.501







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron 350 bar Body Pressure Rating:

45 Rated flow: I/min

(Pressure Compensated) Cartridge Valve: Refer to FR5A-X-Y-Z

EP12W-XHYHZ

\* 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. Pléase contact us.

Q=L/min	Typical Performance  60  40  20
Ø	0 70 140 210 280 350 P=bar

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

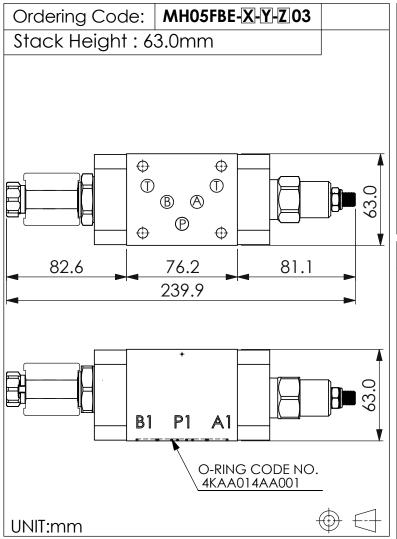
Y SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)		ALVES
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,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

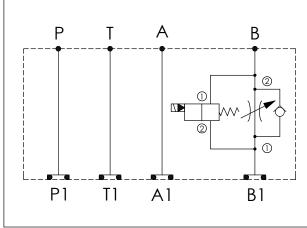
(REFER TO EC-04W-X-Y-Z)

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.130312 M.FBE.571







TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

80 I/min

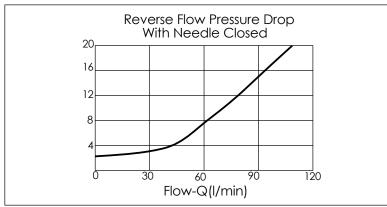
Cartridge Valve: Refer to NC5A-X-Y-Z

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.



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

Y SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)		ALVES
12W2	CAVITY ONLY (WITHOUT VALVE)	
EPO1	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)	
EPO2P	EP12W2A02P05 , 150LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

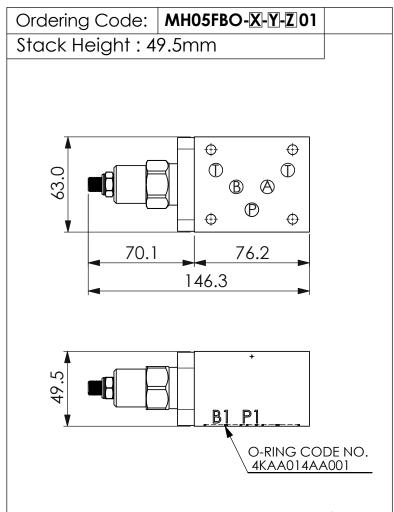
(REFER TO EC-04W-X-Y-Z)

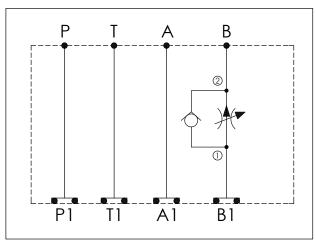
M.FBE.572



**UNIT:mm** 

### ISO 05 SANDWICH MANIFOLD





#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 45 I/min

(Pressure Compensated)

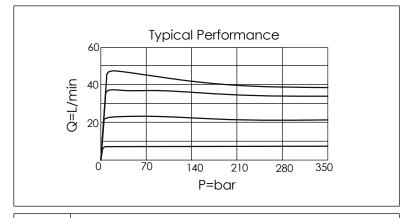
Cartridge Valve:

Refer to FR5A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.61 0.88	kg(WITHOUT VALVE) kg(INCLUDE VALVE)
Ductile Iron	1.77 2.04	kg(WITHOUT VALVE) kg(INCLUDE VALVE)

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



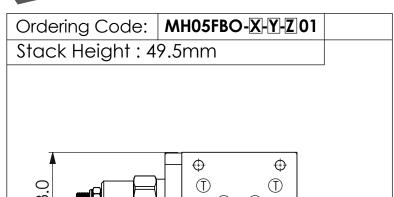
x	SELECTION FOR A PORT CONTROL	
N	WITHOUT PORT	

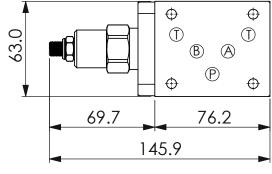
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

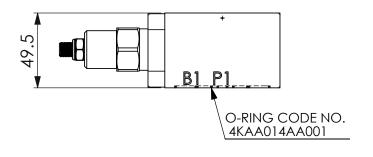
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.140911 M.FBO.501



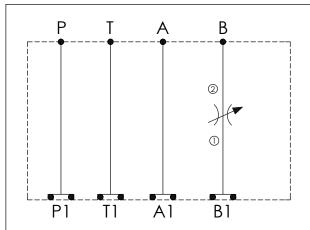






**UNIT:mm** 





### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

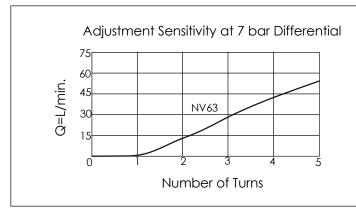
Rated flow: 80 I/min

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)	0.61 0.87
Ductile Iron	1.77 kg(WITHOUT VALVE) 2.04 kg(INCLUDE VALVE)	1.77 2.04

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



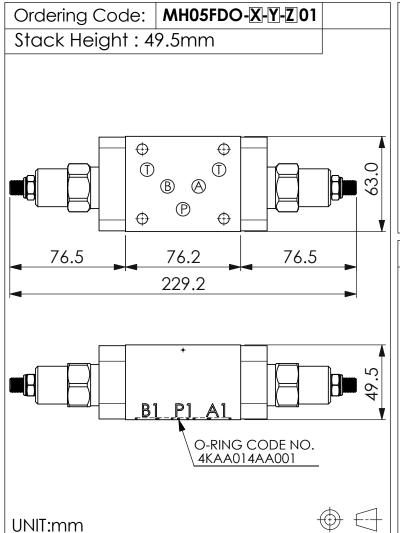
X	SELECTION FOR A PORT CONTROL
N	WITHOUT PORT

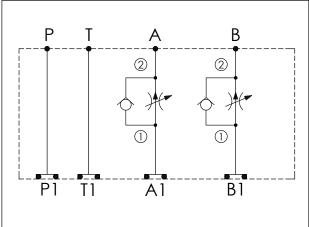
Υ	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.150521 M.FBO.502







#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

Rated flow: 45 I/min

(Pressure Compensated)

350 bar

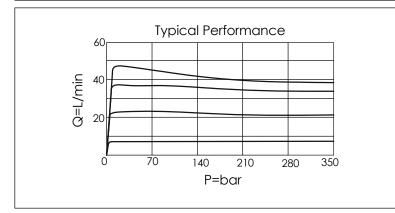
Cartridge Valve:

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.



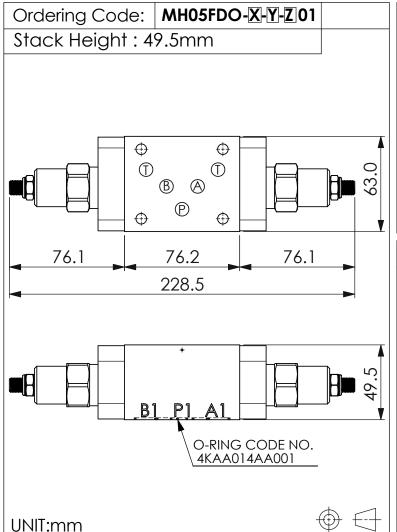
X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

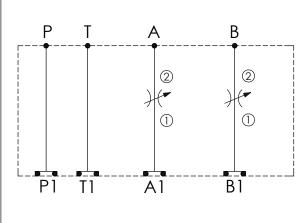
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.130626 M.FDO.501







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar

Body Pressure Rating: Rated flow:

80 I/min

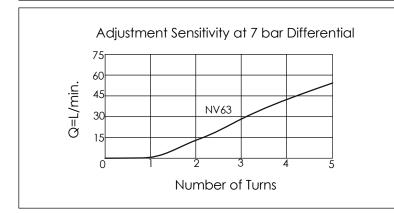
### Cartridge Valve:

Refer to NV5A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

	0.70   ().4(11.101.11.14.13.450)
Aluminum	0.73 kg(WITHOUT VALVES) 1.25 kg(INCLUDE VALVES)
	7
Ductile Iron	2.13 kg(WITHOUT VALVES) 2.65 kg(INCLUDE VALVES)

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



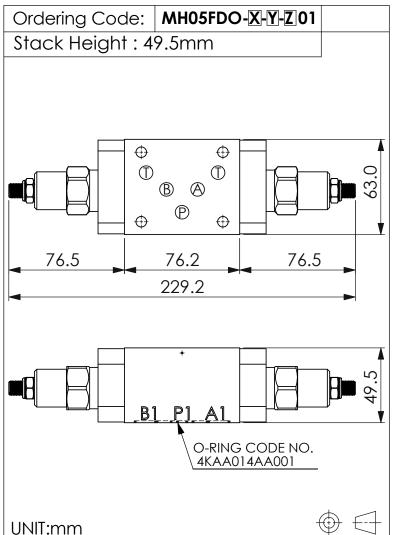
X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

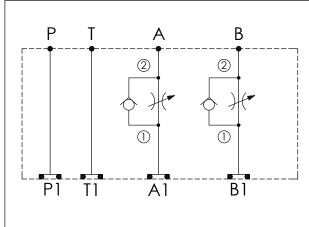
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.150521 M.FDO.502







#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow:

80 I/min

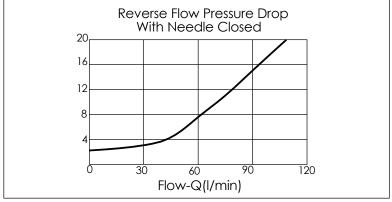
### Cartridge Valve:

Refer to NC5A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.73 kg(WITHOUT VALVES) 1.27 kg(INCLUDE VALVES)	73 kg(WITHOUT VA 27 kg(INCLUDE VA	
Ductile Iron	2.13 kg(WITHOUT VALVES) 2.67 kg(INCLUDE VALVES)		

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



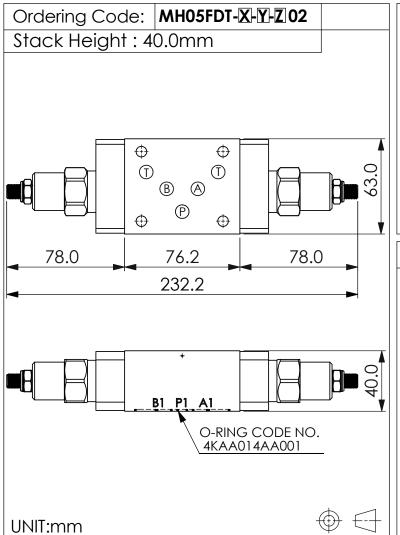
X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

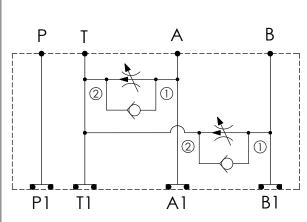
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.150521 M.FDO.503







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow:

45 I/min

(Pressure Compensated)

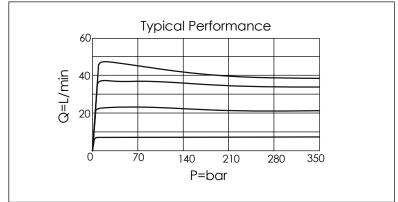
### Cartridge Valve:

Refer to FR5A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

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

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



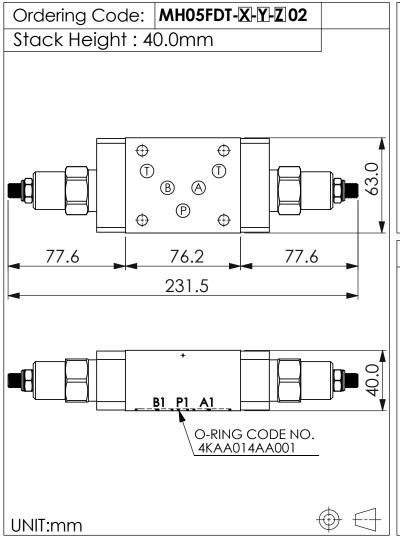
X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL(45 LPM , 350bar)	

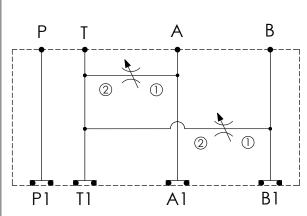
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.120711 M.FDT.541







### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

350 bar

I/min

80

Rated flow:

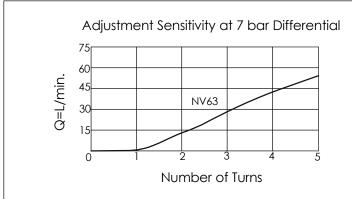
### Cartridge Valve:

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.



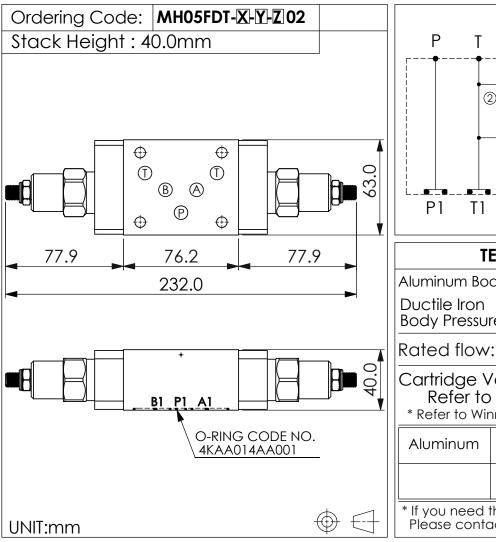
X	SELECTION FOR A PORT	CONTROL
5A2	CAVITY ONLY (WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

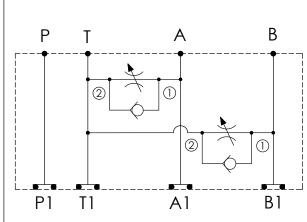
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NV63	NV5A2063L (350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150521 M.FDT.542







### **TECHNICAL DATA** Aluminum Body Pressure Rating: 250 bar Ductile Iron 350 bar

Body Pressure Rating:

80 I/min

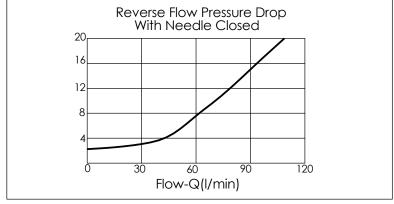
Cartridge Valve:

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. Pléase contact us.



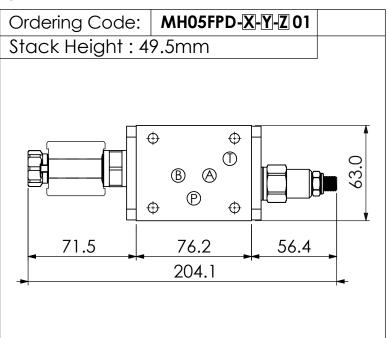
X	SELECTION FOR A PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

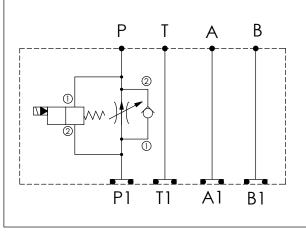
Y	SELECTION FOR B PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
NCBC	NC5A21BCL (2.0bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150521 M.FDT.543







#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

5

O-RING CODE NO.

4KAA014AA001

Body Pressure Rating:

350 bar

Rated flow:

23 l/min

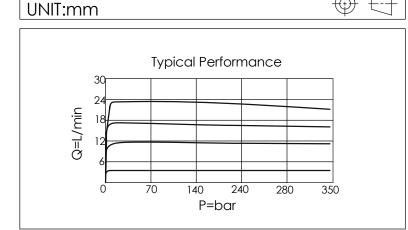
(Pressure Compensated)

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)

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



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

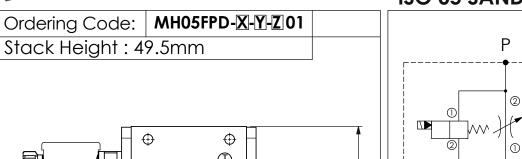
Y	SELECTION FOR SOLENOID VA (REFER TO EP08W-X-Y-Z)	ALVES
08W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLÓSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,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

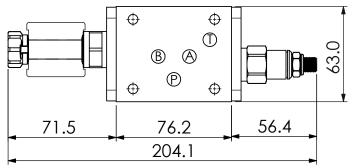
	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

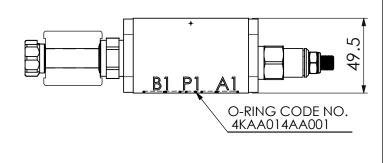
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-XHYHZ)

Rev.120318 M.FPD.501

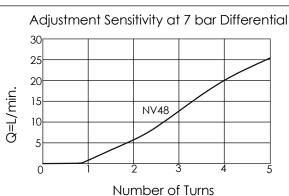








**UNIT:mm** 



Υ	SELECTION FOR SOLENOID VA (REFER TO EP08W-X-Y-Z)	ALVES
08W2	CAVITY ONLY (WITHOUT VALVE)	
EPO1	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPÉN,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)		

Τ В Α Ρ1 Α1 В1 T1

**TECHNICAL DATA** 

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 40 I/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)

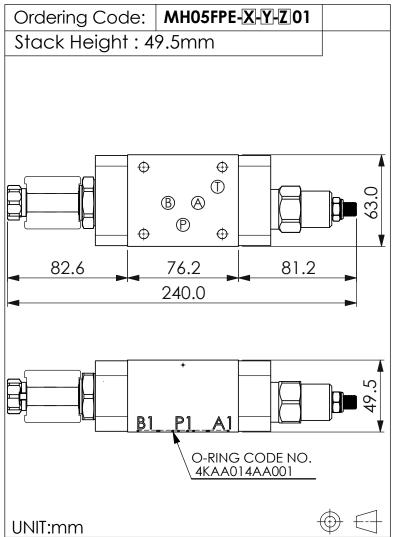
\* If you need the special specification. Pléase contact us.

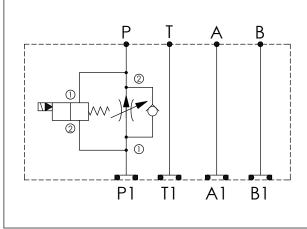
X	SELECTION FOR FLOW	CONTROL
13A2	CAVITY ONLY (WITHOUT VALVE)	
NV48	NV13A2048L (350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150521 M.FPD.502







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

45 I/min

(Pressure Compensated)

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

EP12W-XHY-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. Pléase contact us.

uim/1= 0 20		Performanc 40 210	280 350	)
1	) 70 j.	40 210 P=bar	280 350	)

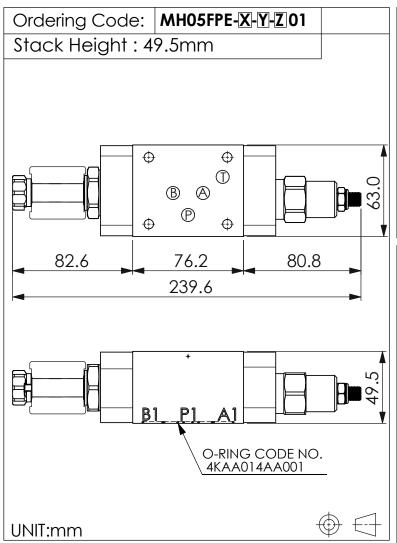
X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

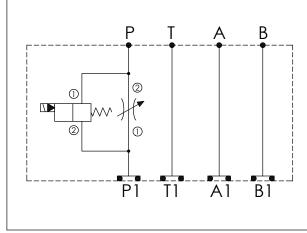
Y	SELECTION FOR SOLENOID VA (REFER TO EP12W-X-Y-Z)	ALVES
12W2	CAVITY ONLY(WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE, 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	
Α	HIGH-STRENGTH ALUMINUM	

Rev.130318 M.FPE.501







#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar

Rated flow: 80 I/min

Cartridge Valve:
Refer to NV5A-X-Y-Z
EP12W-X-Y-Z

Body Pressure Rating:

\* 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.

75 60 45 30 NV63 15 0 12 3 4 5		Adjustment Sensitivity at 7 bar Differential
Number of Turns	Q=L/min.	75 60 45 30 NV63

Y	SELECTION FOR SOLENOID VA (REFER TO EP12W-X-Y-Z)	ALVES
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 O	CONTROL
5A2	CAVITY ONLY (WITHOUT VALVE)	
NV63	NV5A2063L ( 350bar)	

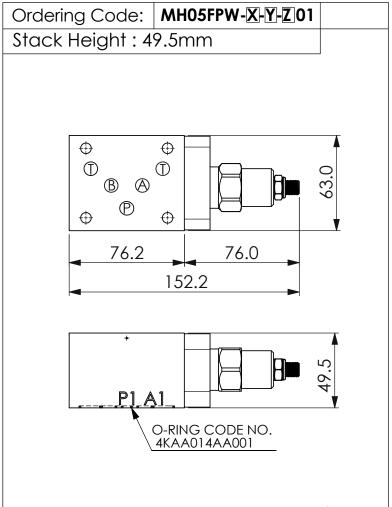
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

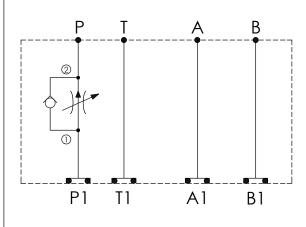
Rev.150521



**UNIT:mm** 

### ISO 05 SANDWICH MANIFOLD





#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow:

45 I/min

(Pressure Compensated)

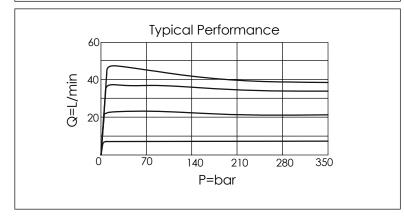
Cartridge Valve:

Refer to FR5A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

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

<sup>\*</sup> If you need the special specification. Please contact us.



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

Y	SELECTION FOR G PORT		
N	WITHOUT PORT		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130807 M.FPW.501



T1

**TECHNICAL DATA** 

Aluminum Body Pressure Rating: 250 bar

EP08W-X-Y-Z \* Refer to Winner Cartridge Valves Catalog.

**A**1

Ρ1

Ductile Iron

Rated flow:

Cartridge Valve:

Refer to FR13A-X-Y-Z

Body Pressure Rating:

В

B1

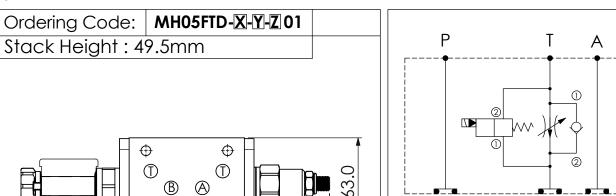
350 bar

I/min

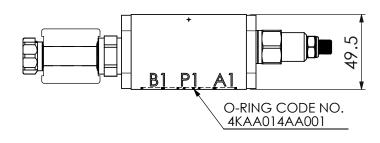
M.FTD.501

23

(Pressure Compensated)

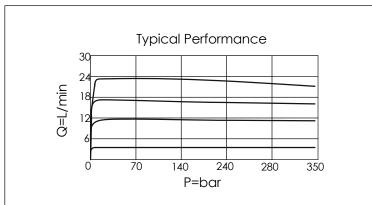


### 63.0 **P** $\oplus$ $\oplus$ 71.5 76.2 56.4 204.1



**UNIT:mm** 





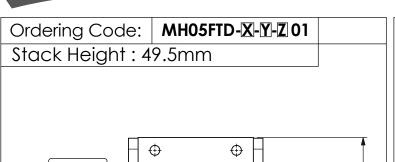
Alumir	Aluminum		kg(WITHO kg(INCLUI ,WIT	DE V	/ALVES) /ALVES JT COIL)
* If you Please			ecial speci	ficat	ion.
X	SELE	СТІОІ	N FOR FLC	)W(	CONTRO
13A2	CAVIT	Y ONLY	(WITHOUT VAL	VE)	
FROA	FR13/	120AL	(23LPM,350l	oar)	
7		P.		TEDI	ΙΛΙ

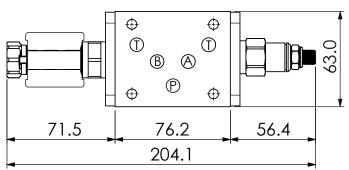
Y	SELECTION FOR SOLENOID VA (REFER TO EP08W-X-Y-Z)	ALVES
08W2	CAVITY ONLY (WITHOUT VALVE)	
EPO1	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPÉN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bgr(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE, WITHOUT COIL)	
EP02P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-XI-YI-ZI)		

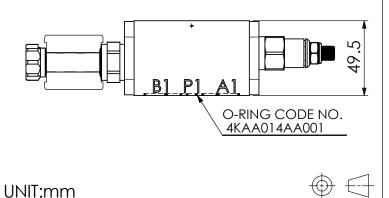
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

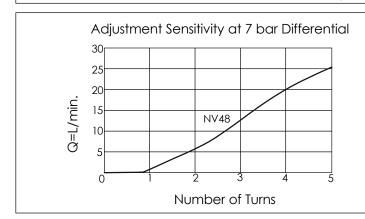
Rev.130318



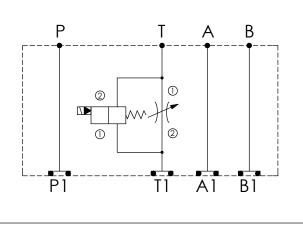








Y	Y SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)	
08W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPÉN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(normally closed with knob style manual override, without coil)	
EPO2P	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: 40 1/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)

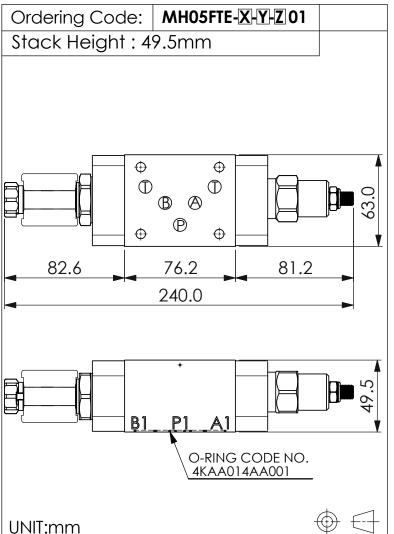
\* If you need the special specification.
Please contact us.

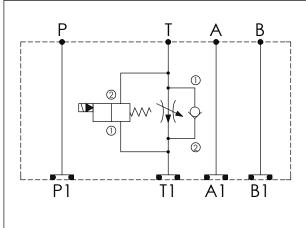
SELECTION FOR FLOW CONTROL	
CAVITY ONLY (WITHOUT VALVE)	
NV13A2048L (350bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

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## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow:

45 I/min

(Pressure Compensated)

Cartridge Valve:

Refer to FR5A-X-Y-Z

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

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

	Typical Performance
<u>.⊆</u>	60
Q=L/min	20
	0 70 140 210 280 350
	P=bar

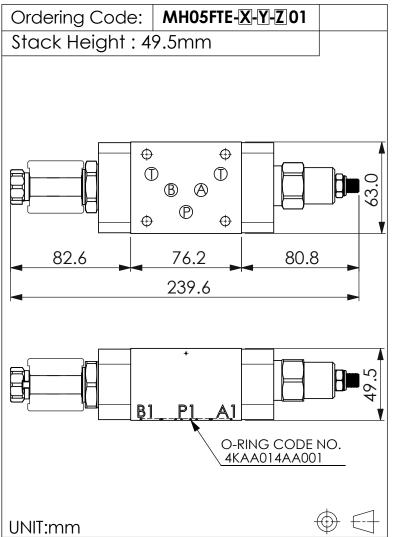
X	SELECTION FOR FLOW CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

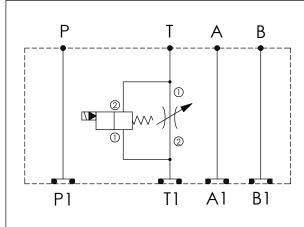
Y	SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE, 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	
Α	HIGH-STRENGTH ALUMINUM	

Rev.130318 M.FTE.501







#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 80 1/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.

	Adjustment Sensitivity at 7 bar Differential
Q=L/min.	75 60 45 30 NV63 15 0 1 2 3 4 5
	Number of Turns

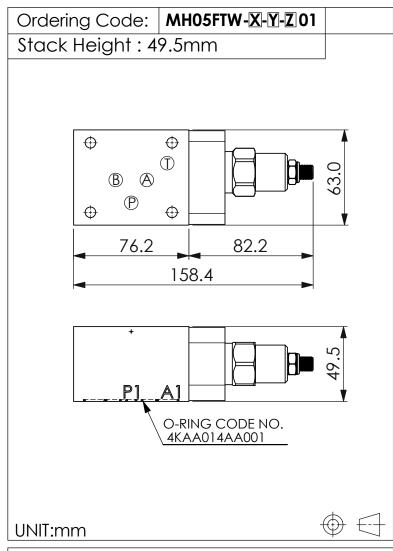
Y	Y SELECTION FOR SOLENOID VALVES (REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT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

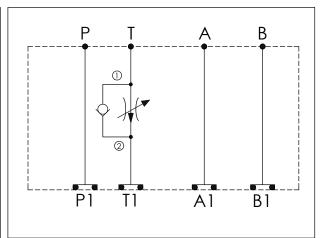
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

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

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	







#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

45 I/min

(Pressure Compensated)

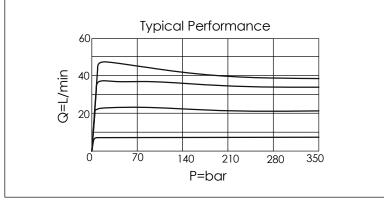
Cartridge Valve:

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.



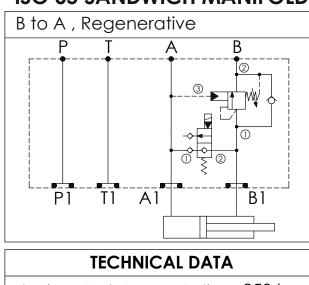
X	SELECTION FOR T PORT CONTROL	
5A2	CAVITY ONLY (WITHOUT VALVE)	
FROA	FR5A20AL (45 LPM , 350bar)	

Y	SELECTION FOR G PORT	
N	WITHOUT PORT	

BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	

Rev.130419 M.FTW.501





Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

80 I/min

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

\* Refer to Winner Cartridge Valves Catalog.

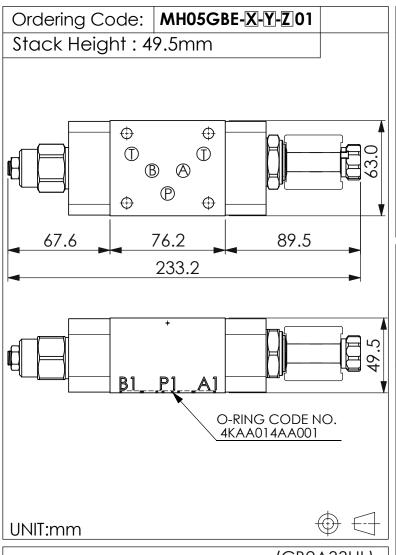
Aluminum	0.84 kg(WITHOUT VALVES) 1.36 kg(INCLUDE VALVES ,WITHOUT COIL)

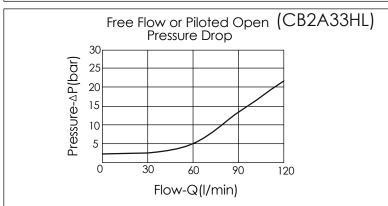
\* If you need the special specification. Pléase contact us.

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-☒-☒-☒)

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	



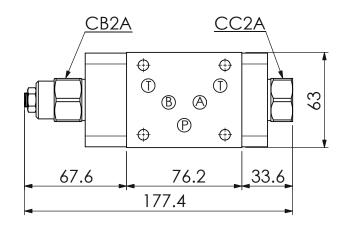


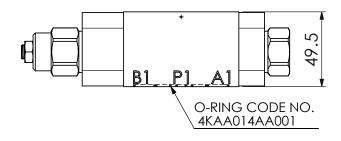
Y	SELECTION FOR COUNTERBALANCE VALVE	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (120LPM , 70-280bar)	

Rev.130318



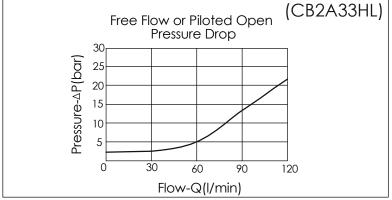






**UNIT:mm** 





B to A , Regenerative		
Р	T A B	
P1 1	1 A1 B1	

#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: I/min 80

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)

<sup>\*</sup> If you need the special specification. Please contact us.

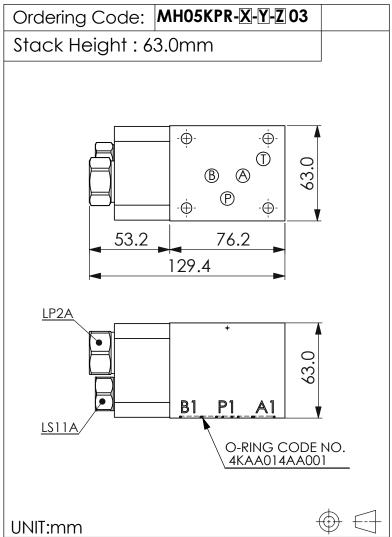
X	SELECTION FOR PILOT-TO-CLOSE VALVE	
2A3	CAVITY ONLY (WITHOUT VALVE)	
CC50	CC2A3050N (160LPM , 5.0bar)	

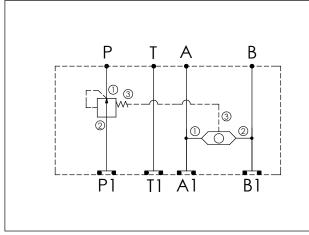
Y	SELECTION FOR COUNTERBALANCE VALVE			
2A3	CAVITY ONLY (WITHOUT VALVE)			
СВЗН	CB2A33HL (120LPM , 70-280bar)			

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.130318 M.GBW.501







## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar

Rated flow:

80 l/min

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

Body Pressure Rating:

\* Refer to Winner Cartridge Valves Catalog.

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

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

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)	

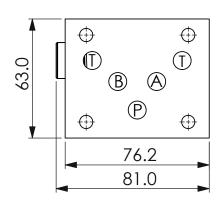
Z	BODY MATER	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON			
		M KPP 571		

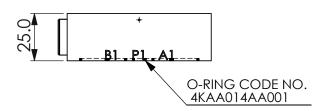
Y	SELECTION FOR SHUTTLE VALVE			
11A3	CAVITY ONLY (WITHOUT VALVE)			
LS3N	LS11A33NN(10LPM,350bar)			

Rev.130318 M.KPR.571





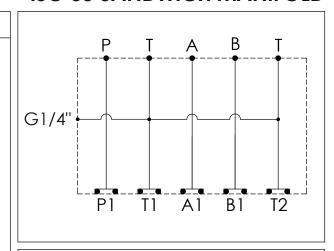




**UNIT:mm** 







TECHNICAL DATA	
Aluminum Body Pressure Rating:	250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow: 80 I/min

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

<sup>\*</sup> If you need the special specification. Please contact us.

X	SELECTION FOR A PORT		
N	WITHOUT PORT		

Y	SELECTION FOR B PORT		
N	WITHOUT PORT		

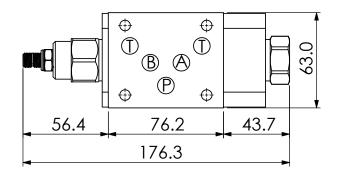
Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

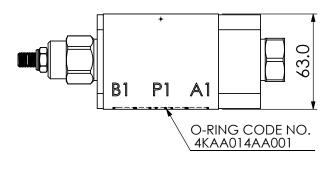
Rev.150623 M.NDT.501



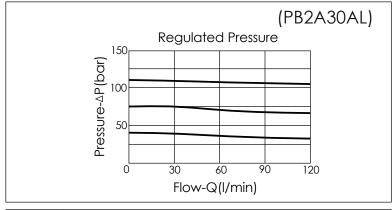


Stack Height: 63.0mm





**UNIT:mm** 



P	T	A	В	-
	③ ←			
P1	T1	A1	В1	

#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 80 I/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)

<sup>\*</sup> If you need the special specification. Please contact us.

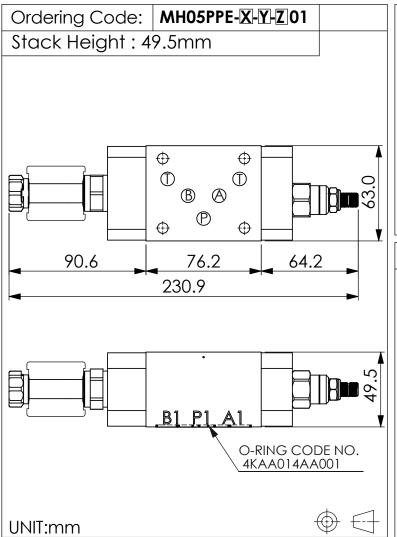
X	SELECTION FOR A PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
PB0A	PB2A30AL (80LPM , 7-210bar)	

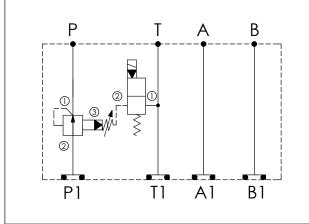
Y	SELECTION FOR CHECK VALVE	
5A2	CAVITY ONLY (WITHOUT VALVE)	
CP00	CP5A2H00N (PLUG ONLY)	
CV20	CV5A2020N (160LPM, 2.0bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.121107 M.PAC.501







TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

X

**2A3** 

**PBOA** 

80 l/min

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

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)

**SELECTION FOR P PORT CONTROL** 

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

CAVITY ONLY (WITHOUT VALVE)

PB2A30AL (80 LPM, 7-210bar)

150	Regulated Pressure
Pressure-△P(bar)	70 120
	Flow-Q(I/min)

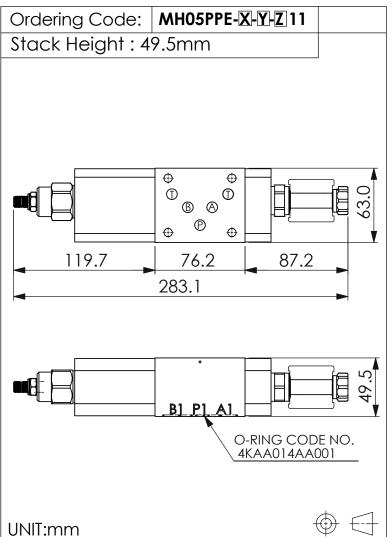
Y SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)		
08W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,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

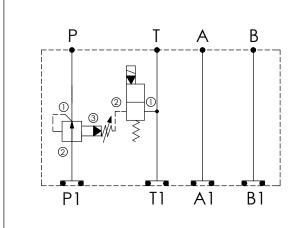
(REFER TO EC-04W-X-Y-Z)

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.150120 M.PPE.501







## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

Rated flow: 80 I/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)

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

150	Regulated Pressure
Pressure-△P(bar) 0 00 05	30 60 90 120
	Flow-Q(I/min)

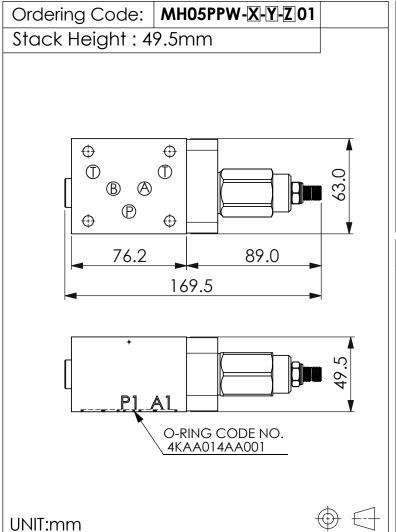
Y	SELECTION FOR SOLENOID (REFER TO EP08W-X-Y-	_
08W2	CAVITY ONLY (WITHOUT VALVE)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP08W2A01M05 , 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EPO2P	EP08W2A02P05 , 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)	
COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)		

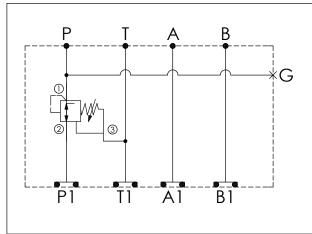
X	SELECTION FOR P PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
<b>PBOA</b>	PB2A30AL (80 LPM , 7-210bar)	
7	DODY MATERIAL	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.130318 M.PPE.511







Aluminum Body Pressure Rating: 250 bar
Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

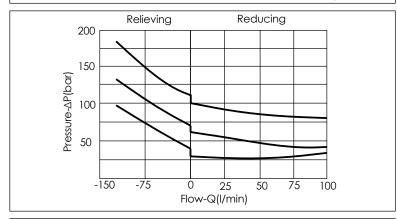
80 l/min

Cartridge Valve: Refer to PD2A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

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



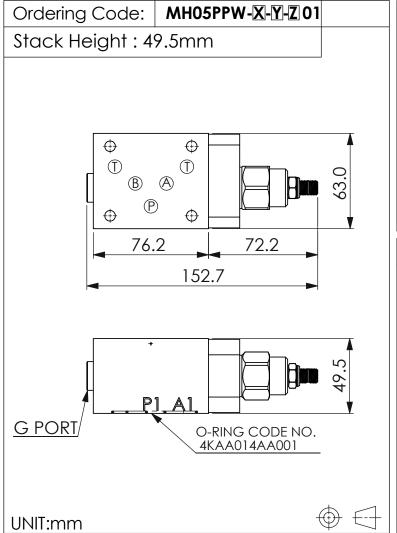
X	SELECTION FOR P PORT C	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
PD0A	PD2A30AL (85 LPM , 50-210bar)	

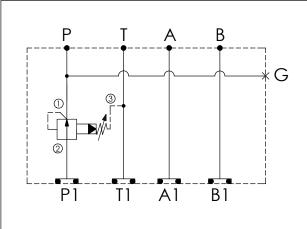
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

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

Rev.140328 M.PPW.501







#### **TECHNICAL DATA** Aluminum Body Pressure Rating: 250 bar Ductile Iron 350 bar

Body Pressure Rating:

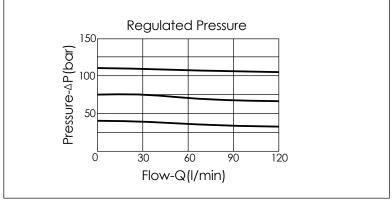
Rated flow: 80 I/min

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. Pléase contact us.



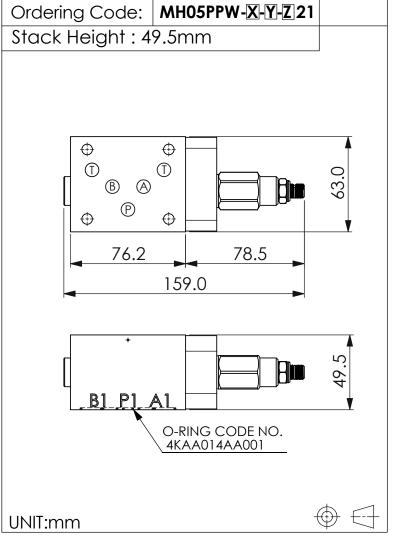
X	SELECTION FOR P PORT	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
PBOA	PB2A30AL(80LPM,7-210bar) (Pilot Operated Reducing)	

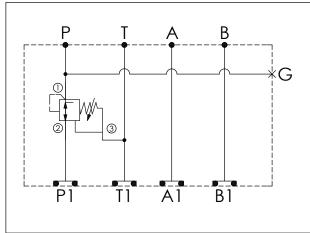
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	
D 1 40200		

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

M.PPW.502 Rev.140328







Aluminum Body Pressure Rating: 250 bar
Ductile Iron 350 bar

Body Pressure Rating:

Rated flow:

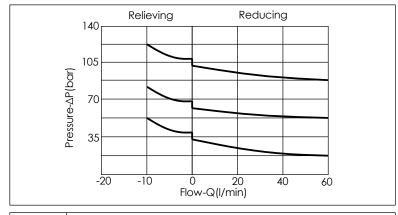
40 l/min

Cartridge Valve:
Refer to PD11A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

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



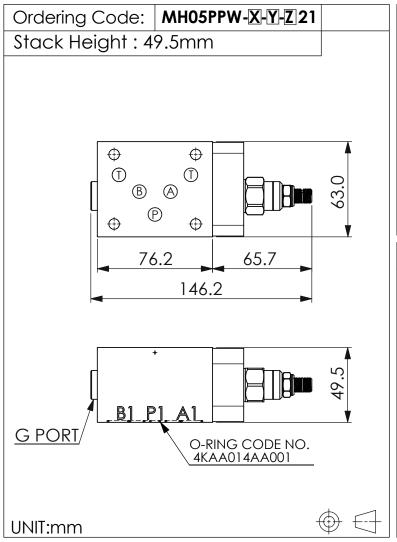
X	SELECTION FOR P PORT (	CONTROL
11A3	CAVITY ONLY (WITHOUT VALVE)	
PD0A	PD11A30AL (40 LPM , 35-210bar)	

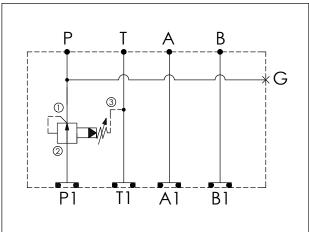
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.130318 M.PPW.511







## Aluminum Body Pressure Rating: 250 bar Ductile Iron

Body Pressure Rating: 350 bar

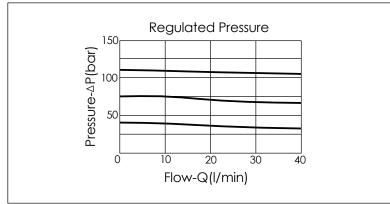
Rated flow: 40 1/min

#### Cartridge Valve: Refer to PB11A-X-Y-Z

\* Refer to Winner Cartridge Valve Catalog.

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

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



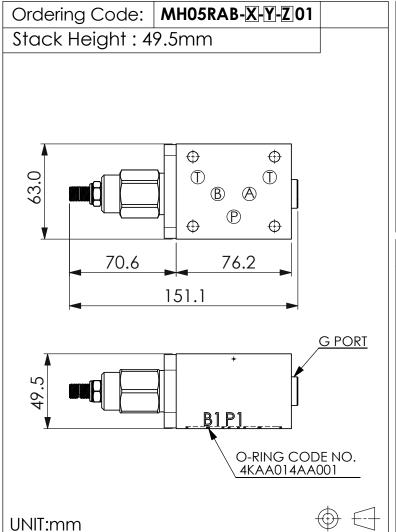
X	SELECTION FOR P PORT CONTROL		
11A3	CAVITY ONLY (WITHOUT VALVE)		
PB0A	PB11A30AL (40 LPM , 7-210bar)		

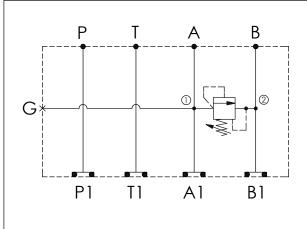
Y	SELECTION FOR G PORT		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

Z	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM			

Rev.130318 M.PPW.512







Aluminum Body Pressure Rating: 250 bar
Ductile Iron 350 bar

Body Pressure Rating:

I/min

80

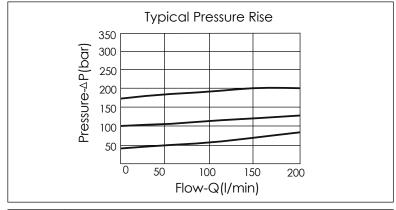
Rated flow:

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.



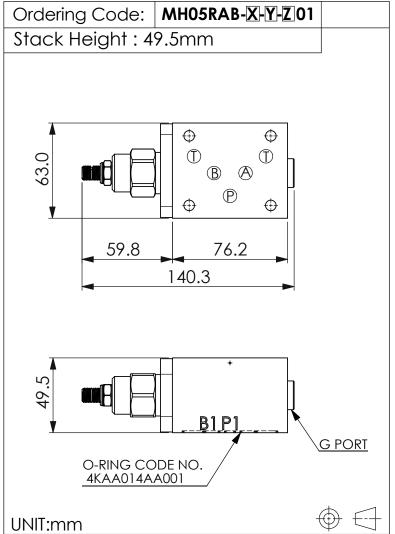
X	SELECTION FOR A PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RD5A	RD3A25AL (200 LPM , 35-210bar)		

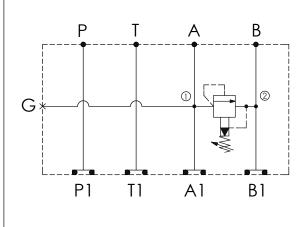
Y	SELECTION FOR G PORT
G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.150521 M.RAB.501







TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

80 l/min

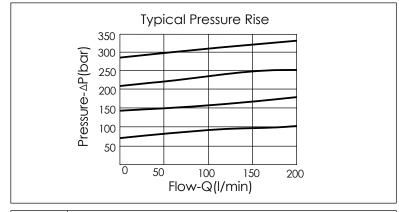
Cartridge Valve:

Refer to RP3A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

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

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



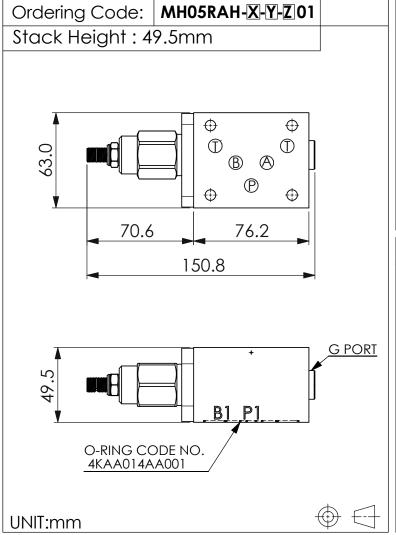
X	SELECTION FOR A PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RPOA	RP3A20AL (200 LPM , 7-210bar)		

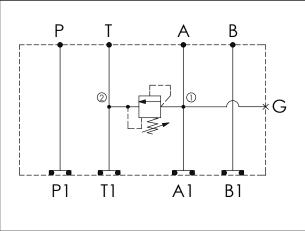
Y	SELECTION FOR G PORT		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150522 M.RAB.502







# TECHNICAL DATA Aluminum Body Pressure Rating: 250 bar Ductile Iron Body Pressure Rating: 350 bar

Cartridge Valve: Refer to RD3A-X-Y-Z

Rated flow:

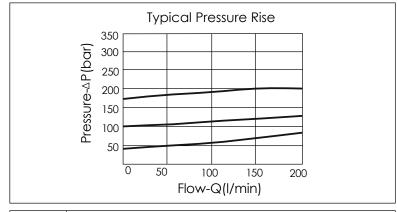
\* Refer to Winner Cartridge Valves Catalog.

80

I/min

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

<sup>\*</sup> If you need the special specification. Please contact us.



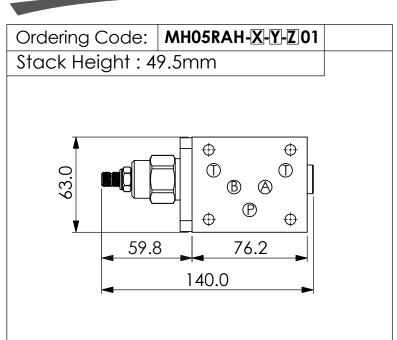
X	SELECTION FOR A PORT CONTROL	
3A2	CAVITY ONLY (WITHOUT VALVE)	
RD5A	RD3A25AL (200 LPM , 35-210bar)	

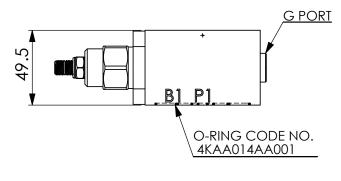
Y	SELECTION FOR G PORT
G02	G 1/4"(Metric)
N02	NPT 1/4"(U.S. Units)

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150522 M.RAH.501

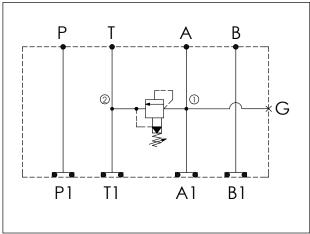






UNIT:mm

Typical Pressure Rise



Aluminum Body Pressure Rating: 250 bar

**TECHNICAL DATA** 

Ductile Iron Body Pressure Rating:

350 bar

Rated flow:

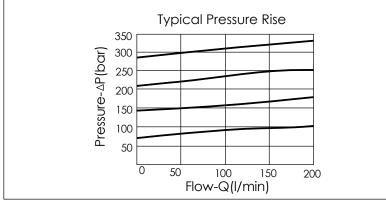
80 l/min

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.



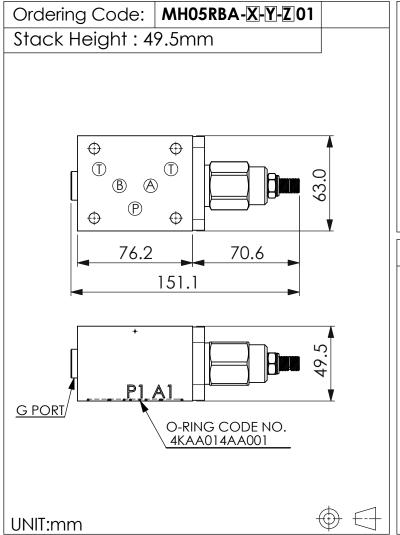
X	SELECTION FOR A PORT CONTROL	
3A2	CAVITY ONLY (WITHOUT VALVE)	
RPOA	RP3A20AL (200 LPM , 7-210bar)	

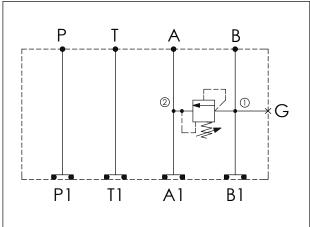
Y	SELECTION FOR G PORT CONTROL	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.150522 M.RAH.502







#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow:

80 I/min

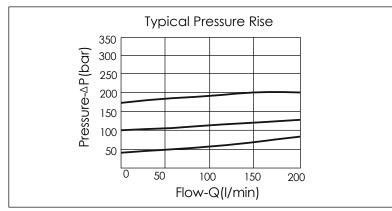
#### Cartridge Valve:

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. Pléase contact us.



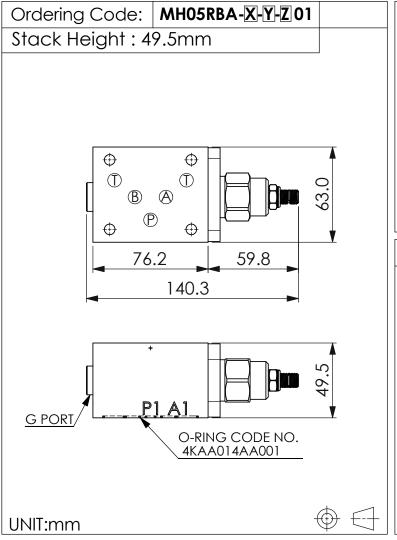
X	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

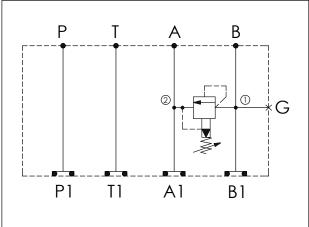
Y	SELECTION FOR B PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RD5A	RD3A25AL (200 LPM , 35-210bar)		

BODY MATERIAL		
HIGH-STRENGTH ALUMINUM		

Rev.150522 M.RBA.501







## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

80 l/min

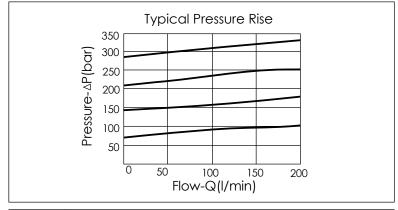
#### Cartridge Valve:

Refer to RP3A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

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

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



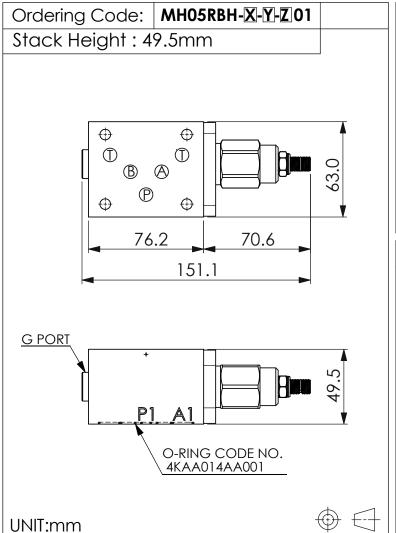
X	SELECTION FOR G PORT		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

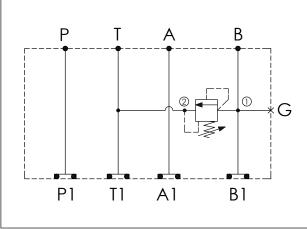
Y	SELECTION FOR B PORT CONTROL			
3A2	CAVITY ONLY (WITHOUT VALVE)			
RPOA	RP3A20AL (200 LPM , 7-210bar)			

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.150522 M.RBA.502







## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

80 l/min

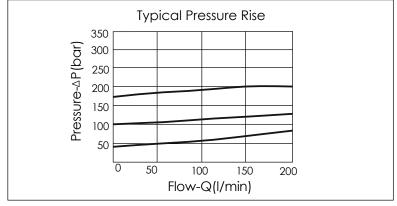
#### Cartridge Valve:

Refer to RD3A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

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

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



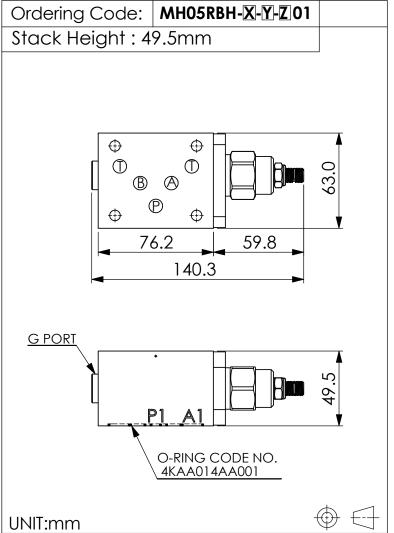
X	SELECTION FOR G PORT		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

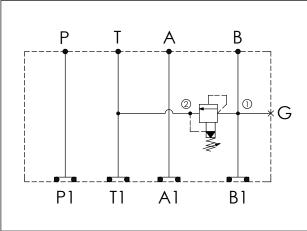
Y	SELECTION FOR B PORT CON	TROL
3A2	CAVITY ONLY (WITHOUT VALVE)	
RD5A	RD3A25AL (200 LPM , 35-210bar)	

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Rev.150522 M.RBH.501







# TECHNICAL DATA Aluminum Body Pressure Rating: 250 bar Ductile Iron Body Pressure Rating: 350 bar

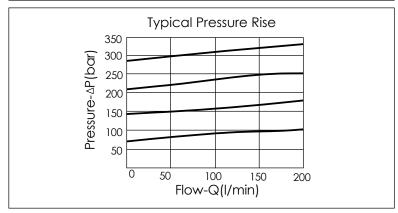
Rated flow: 80 1/min

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.



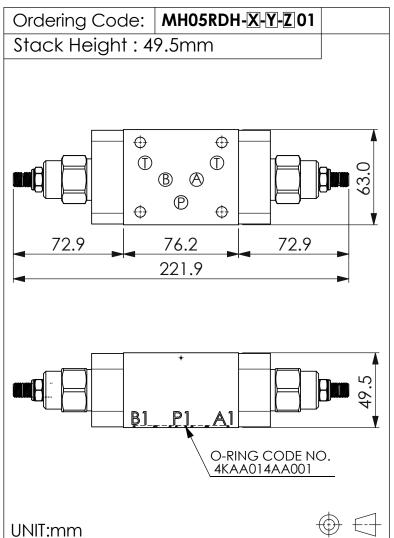
X	SELECTION FOR G PORT CONTROL		
G02	G 1/4"(Metric)		
N02	NPT 1/4"(U.S. Units)		

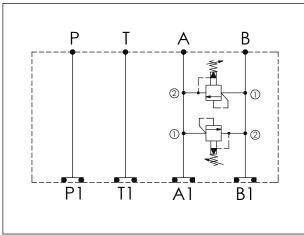
Y	SELECTION FOR B PORT CON	TROL
3A2	CAVITY ONLY (WITHOUT VALVE)	
RPOA	RP3A20AL (200 LPM , 7-210bar)	

Z	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM			

Rev.150522 M.RBH.502







#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 80 I/min

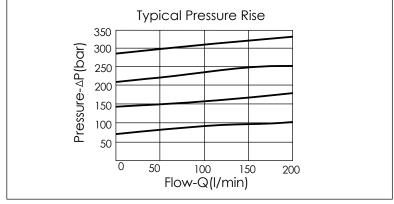
#### Cartridge Valve:

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)

<sup>\*</sup> If you need the special specification. Pléase contact us.



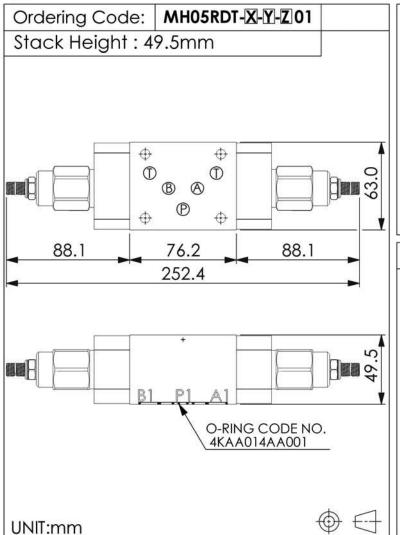
X	SELECTION FOR A PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RPOA	RP3A20AL (200 LPM , 7-210bar)		

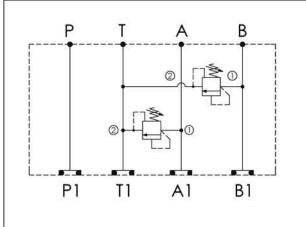
Υ	SELECTION FOR B PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RPOA	RP3A20AL (200 LPM , 7-210bar)		

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.150522 M.RDH.501







#### TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

ay Flessore Railing.

350 bar

I/min

80

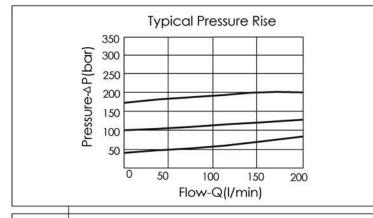
Rated flow:

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

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



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

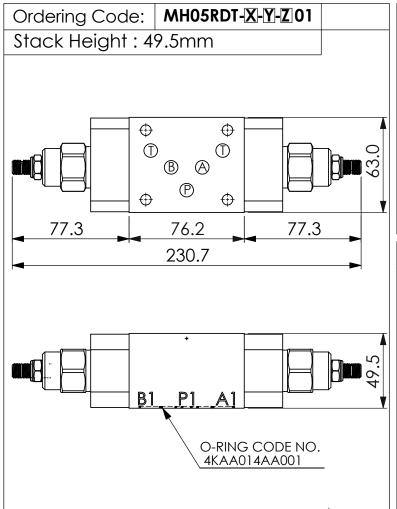
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

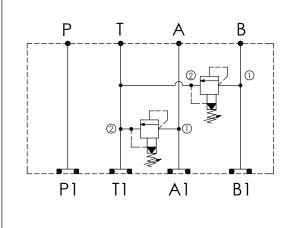
Rev.150522 M.RDT.501



**UNIT:mm** 

#### ISO 05 SANDWICH MANIFOLD





#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar

Rated flow:

80 l/min

#### Cartridge Valve:

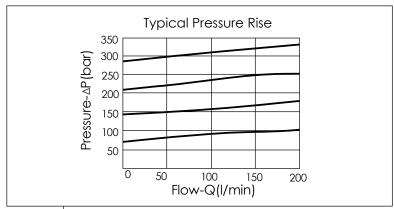
Body Pressure Rating:

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)			
RPOA	RP3A20AL (200LPM , 7-210bar)			

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

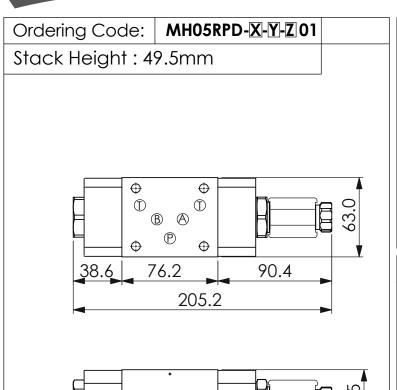
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

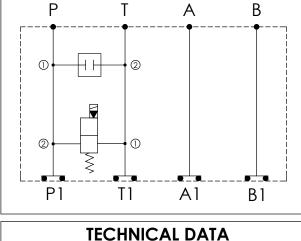
Rev.150522 M.RDT.502



**UNIT:mm** 

#### ISO 05 SANDWICH MANIFOLD





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

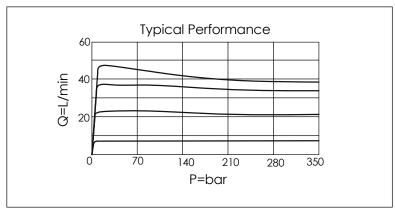
Rated flow: 80 I/min

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.



O-RING CODE NO. 4KAA014AA001

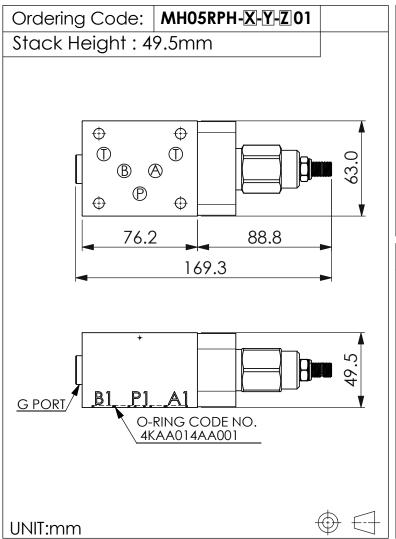
X	SELECTION FOR RELIE (PORT 102, NEAR "B" P	
12W2	CAVITY ONLY (WITHOUT VALVE)	
CP00	CP12W2H00NN(1-1/16"-12UN-2B , All Ports Blocked)	

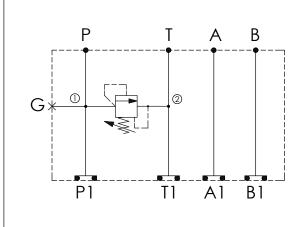
Y	SELECTION FOR SOLENOID VALVES (PORT ②TO①, NEAR "A" PORT SIDE, REFER TO EP12W-X-Y-Z)	
12W2	CAVITY ONLY (WITHOUT VALVE)	
EPO1	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP12W2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
EP01M	EP12W2A01M05 , 150LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)	
EPO2P	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	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.150720 M.RPD.501







TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

80 I/min

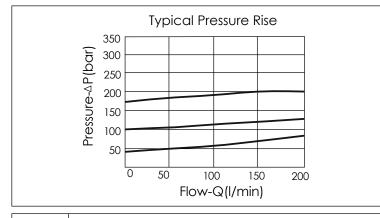
Cartridge Valve:

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)

<sup>\*</sup> If you need the special specification. Please contact us.



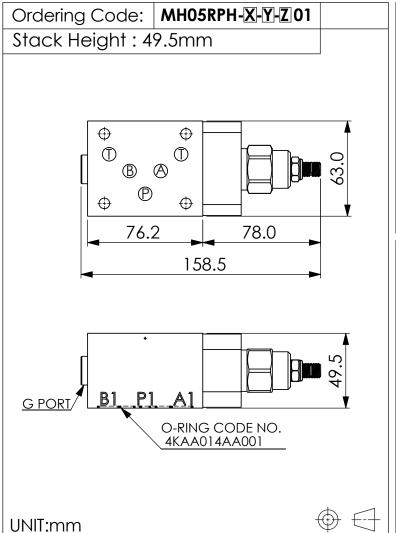
X	SELECTION FOR P PORT CONTROL	
3A2	CAVITY ONLY (WITHOUT VALVE)	
RD5A	RD3A25AL (200 LPM , 35-210bar)	

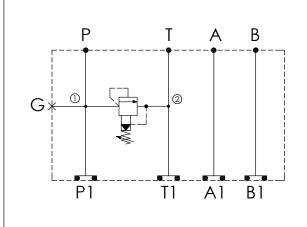
Y	SELECTION FOR G PORT	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	
_		

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.150522 M.RPH.501







## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

80 I/min

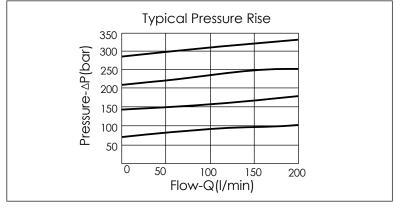
### Cartridge Valve:

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)

<sup>\*</sup> If you need the special specification. Please contact us.



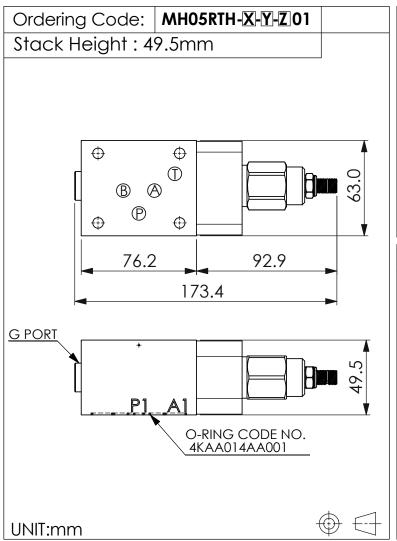
X	SELECTION FOR P PORT CONTROL	
3A2	CAVITY ONLY (WITHOUT VALVE)	
RPOA	RP3A20AL (200 LPM , 7-210bar)	

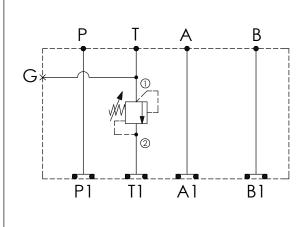
Y	SELECTION FOR G PORT CONTROL	
G02	G 1/4"(Metric)	
N02	NPT 1/4"(U.S. Units)	

Z	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.150522 M.RPH.502







## TECHNICAL DATA

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

80 l/min

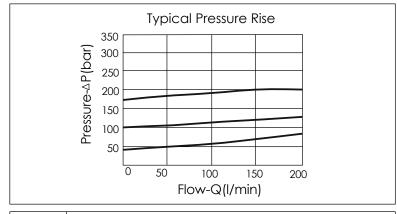
Cartridge Valve:

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	
Α	HIGH-STRENGTH ALUMINUM	

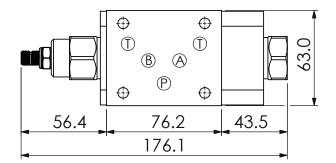
Rev.150522 M.RTH.501

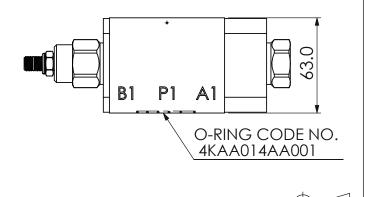


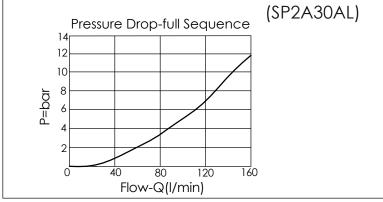
**UNIT:mm** 

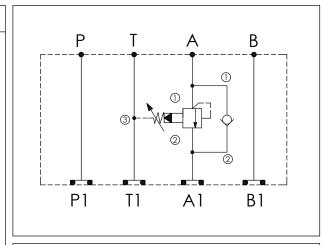
#### ISO 05 SANDWICH MANIFOLD











#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 80 I/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)

<sup>\*</sup> If you need the special specification. Please contact us.

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

Y	SELECTION FOR CHECK VA	ALVE	Z	
5A2	CAVITY ONLY (WITHOUT VALVE)		Α	Н
CV20	CV5A2120N (120LPM, 2.0bar)			

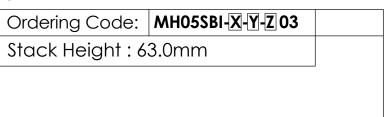
Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

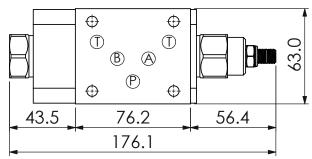
Rev.130618 M.SAI.571

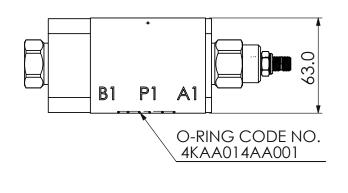


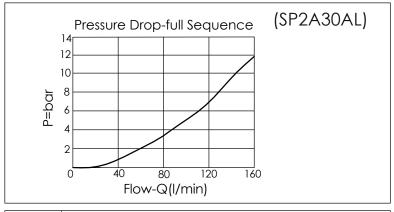
**UNIT:mm** 

#### ISO 05 SANDWICH MANIFOLD









P	T	Α	В
P1	T1	3 N	© 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

350 bar Body Pressure Rating:

Rated flow: 80 I/min

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

\* Refer to Winner Cartridge Valves Catalog.

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

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

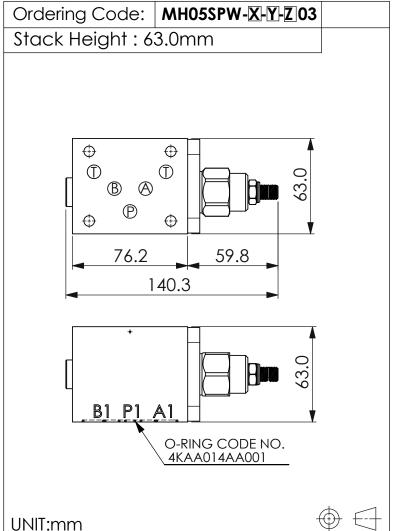
X	SELECTION FOR CHECK VALVE		
5A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV5A2120N (120LPM , 2.0bar)		

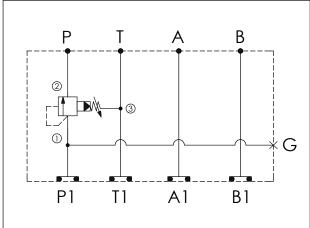
Y	SELECTION FOR B PORT CON	ITROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
SPOA	SP2A30AL (120LPM , 7-210bar)	

Z	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

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#### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Rated flow:

350 bar

Body Pressure Rating:

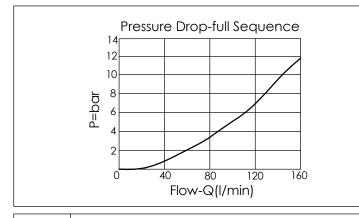
I/min 80

## 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. Pléase 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	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Rev.131004 M.SPW.571



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