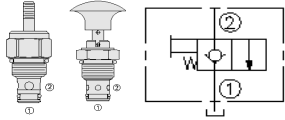


HYDRAFORCE CARTRIDGE QUICK REFERENCE

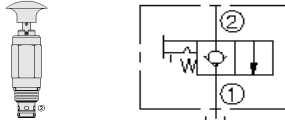
MANUAL DIRECTIONAL CONTROL

Manual, Spring Return, Pull-to-Open, 2-Way, Normally Closed with Lock Position Option (10 size only)



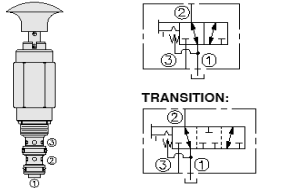
Cartridge Size	Flow	Line Body				Seals
MP08-20**-6T-N	53 lpm / 14 gpm	6T	Alum.	7024660	9/16" UNF	N = Buna N
MP10-20**-8T-N	57 lpm / 15 gpm	8T	Alum.	7024280	3/4" UNF	N = Buna N
Options (** Select an option)						
T = Threaded Shaft	K = Black Plastic Knob	J = Red Plastic Knob				
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	

Manual, Spring Return, Pull-to-Open, 2-Way, Normally Closed with Lock Position Option



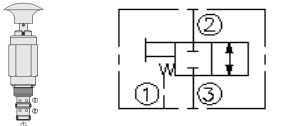
Cartridge Size	Flow	Line Body				Seals
MP10-22**-N	57 lpm / 15 gpm	8T	Alum.	7024280	3/4" UNF	N = Buna N
Options (** Select an option)						
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	

Manual, Spring Return, Pull-to-Shift, 3-Way with Lock Position Option



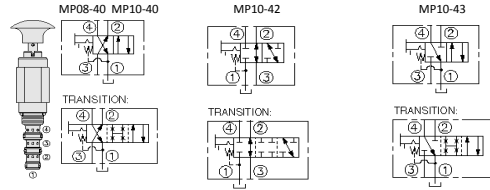
Cartridge Size	Flow	Line Body				Seals
MP08-30**-6T-N	25 lpm / 6.5 gpm	6T	Alum.	7024760	9/16" UNF	N = Buna N
MP58-30**-6T-P	25 lpm / 6.5 gpm	6T	Alum.	7024760	9/16" UNF	P = Polyurethane
Options (** Select an option)						
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	

Manual, Spring Return, Pull-to-Shift, 3 Way



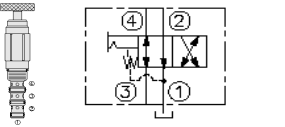
Cartridge Size	Flow	Line Body				Seals
MP08-34**-6T-N	26.5 lpm / 7 gpm	6T	Alum.	7024760	9/16" UNF	N = Buna N
Options (** Select an option)						
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	

Manual, Spring Return, Pull-to-Shift, 4-Way with Lock Position Option Normally Open



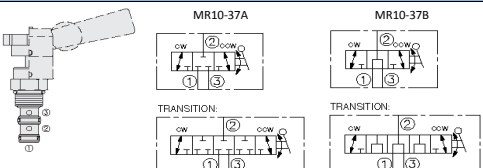
Cartridge Size	Flow	Line Body				Seals
MP08-40**-6T-N	12 lpm / 3.2 gpm	6T	Alum.	7024860	9/16" UNF	N = Buna N
MP10-40**-8T-N	22 lpm / 6 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N
MP10-42**-8T-N	33 lpm / 9 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N
MP10-43**-8T-N	22 lpm / 6 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N
Options (** Select an option)						
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	
T = Threaded Shaft	R = Threaded Shaft/Lock Pin	K = Black Plastic Knob	D = Black Knob/Lock Pin	J = Red Plastic Knob	L = Red Knob/Lock Pin	

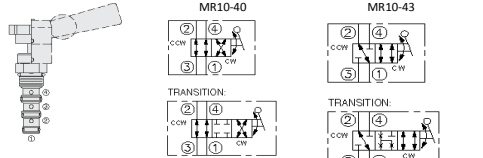
Manual, Spring Return, Push-to-Shift, 4 Way

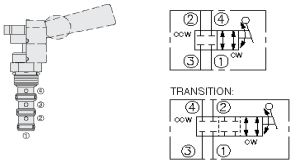


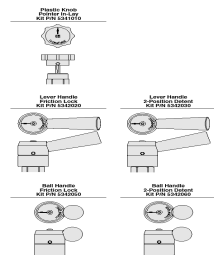
Cartridge Size	Flow	Line Body				Seals
MD10-40**-8T-N	37 lpm / 10 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N
Options (** Select an option)						
T = Threaded Shaft/No Detent	R = Threaded Shaft/Detent	K = Alloy Knob/No Detent	D = Alloy Knob/Detent			

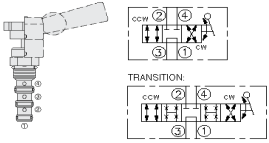
HYDRAFORCE CARTRIDGE QUICK REFERENCE

Manual Rotary Valve, 3-Way, 3-Position	Cartridge Size	Flow	Line Body				Seals
	MR10-37A-8T-N	19 lpm / 5 gpm	8T	Alum.	7024380	3/4" UNF	N = Buna N
	MR10-37B-8T-N	26 lpm / 7 gpm	8T	Alum.	7024380	3/4" UNF	N = Buna N

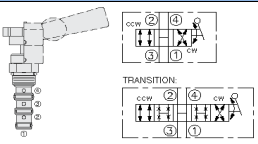
Manual Rotary Valve, 4-Way, 2-Position Normally Open	Cartridge Size	Flow	Line Body				Seals
	MR10-40-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N
	MR10-43-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

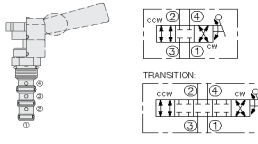
Manual Rotary Valve, 4-Way, 2-Position Normally Closed	Cartridge Size	Flow	Line Body				Seals
	MR10-41-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

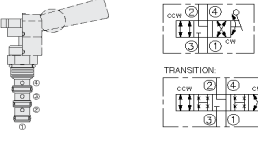
2-POSITION, 90° ROTATION, POINTER INLAY	Part Number	Description					
	5341010	Plastic Knob, Pointer In-					
	5342020	Lever Handle Friction					
	5342030	Lever Handle 2-Position Detent					
	5342050	Ball Handle Friction Lock					
	5342060	Ball Handle 2-Position					

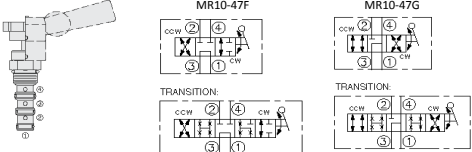
Manual Rotary Valve, 4-Way, 3-Position, Tandem Center	Cartridge Size	Flow	Line Body				Seals
	MR10-47A-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

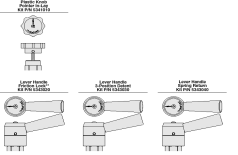
HYDRAFORCE CARTRIDGE QUICK REFERENCE

Manual Rotary Valve, 4-Way, 3-Position, Open Center	Cartridge Size	Flow	Line Body				Seals
	MR10-47B-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

Manual Rotary Valve, 4-Way, 3-Position, Closed Center	Cartridge Size	Flow	Line Body				Seals
	MR10-47C-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

Manual Rotary Valve, 4-Way, 3-Position, Motor Spool	Cartridge Size	Flow	Line Body				Seals
	MR10-47D-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

Manual Rotary Valve, 4-Way, 3-Position	Cartridge Size	Flow	Line Body				Seals
	MR10-47F-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N
	MR10-47G-8T-N	11.4 lpm / 3 gpm	8T	Alum.	7024480	3/4" UNF	N = Buna N

3-POSITION, 45°-0-45° ROTATION, POINTER INLAY							
	5341010	Plastic Knob, Pointer In-					
	5343020	Lever Handle Friction					
	5343030	Lever Handle 3-Position Detent					
	5343040	Spring Return					
	5343050	Ball Handle Friction Lock					
	5343060	Ball Handle 3-Position					
5343070	Ball Handle Spring						