



POWERRAC® CYLINDER ACTUATORS SIZING SHEET



RCV Rotary Control Valves

Double-Acting ANSI Class 150

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
1-2" (25-50mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
2.5" (65mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
3" (80mm)	PR-R1A-PC4*	200 (1380)	285 (1960)
	PR-R1A-PC6	285 (1960)	—
4" (100mm)	PR-R1A-PC4*	50 (340)	100 (690)
	PR-R1A-PC6	250 (1720)	285 (1960)
	PR-R2A-PC6	285 (1960)	285 (1960)
	PR-R2A-PC8	285 (1960)	—
6" (150mm)	PR-R2A-PC6	150 (1030)	250 (1720)
	PR-R2A-PC8	285 (1960)	285 (1960)
8" (200mm)	PR-R2A-PC6	—	75 (520)
	PR-R2A-PC8	125 (860)	200 (1380)
	PR-R3A-PC8	285 (1960)	285 (1960)
10" (250mm)	PR-R3A-PC8	150 (1030)	250 (1720)
	PR-R3A-PC10	285 (1960)	285 (1960)
12" (300mm)	PR-R3A-PC8	75 (520)	125 (860)
	PR-R3A-PC10	175 (1210)	250 (1720)

Spring Return ANSI Class 150

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2" (25-50mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
2.5" (65mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	200 (1380)
3" (80mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	50 (340)
4" (100mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	250 (1720)
	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	285 (1960)
6" (150mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	150 (1030)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
8" (200mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	125 (860)

Double-Acting ANSI Class 300

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
1-2" (25-50mm)	PR-R1A-PC4*	740 (5100)	740 (5100)
2.5" (65mm)	PR-R1A-PC4*	350 (2410)	550 (3790)
	PR-R1A-PC6	740 (5100)	740 (5100)
3" (80mm)	PR-R1A-PC4*	200 (1380)	300 (2070)
	PR-R1A-PC6	600 (4130)	740 (5100)
	PR-R2A-PC6	740 (5100)	—
4" (100mm)	PR-R1A-PC4*	50 (340)	100 (690)
	PR-R1A-PC6	250 (1720)	400 (2760)
	PR-R2A-PC6	600 (4130)	740 (5100)
	PR-R2A-PC8	740 (5100)	—
6" (150mm)	PR-R2A-PC6	150 (1030)	250 (1720)
	PR-R2A-PC8	400 (2760)	550 (3790)
	PR-R3A-PC8	740 (5100)	740 (5100)
8" (200mm)	PR-R2A-PC6	—	75 (520)
	PR-R2A-PC8	125 (860)	200 (1380)
	PR-R3A-PC8	325 (2240)	525 (3620)
	PR-R3A-PC10	625 (4310)	740 (5100)
10" (250mm)	PR-R3A-PC8	150 (1030)	250 (1720)
	PR-R3A-PC10	300 (2070)	500 (3450)
12" (300mm)	PR-R3A-PC8	75 (520)	125 (860)
	PR-R3A-PC10	175 (1210)	250 (1720)

Spring Return ANSI Class 300

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
1-2" (25-50mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	740 (5100)
2.5" (65mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	350 (2410)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	740 (5100)
3" (80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	200 (1380)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	600 (4130)
	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	740 (5100)
4" (100mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	50 (340)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	250 (1720)
	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	600 (4130)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	740 (5100)
6" (150mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	150 (1030)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	400 (2760)
8" (200mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	125 (860)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

VPB V-Port Ball Valves

Double-Acting ANSI Class 150

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
1" (25mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
1.5" (40mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
2" (50mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
2.5" (65mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
3" (80mm)	PR-R1A-PC4*	200 (1380)	285 (1960)
	PR-R1A-PC6	285 (1960)	—
4" (100mm)	PR-R1A-PC4*	—	100 (690)
	PR-R1A-PC6	285 (1960)	285 (1960)
6" (150mm)	PR-R2A-PC6	250 (1720)	285 (1960)
	PR-R2A-PC8	285 (1960)	—
8" (200mm)	PR-R2A-PC6	200 (1380)	250 (1720)
	PR-R2A-PC8	285 (1960)	285 (1960)
10" (250mm)	PR-R2A-PC6	125 (860)	190 (1310)
	PR-R2A-PC8	250 (1720)	285 (1960)
	PR-R3A-PC8	285 (1960)	—
12" (300mm)	PR-R2A-PC6	40 (280)	80 (550)
	PR-R2A-PC8	140 (960)	220 (1520)
	PR-R3A-PC8	285 (1960)	285 (1960)
14" (350mm)	PR-R2A-PC6	—	50 (340)
	PR-R2A-PC8	100 (690)	150 (1030)
	PR-R3A-PC8	190 (1310)	250 (1720)
	PR-R3A-PC10	285 (1960)	285 (1960)
16" (400mm)	PR-R3A-PC8	170 (1170)	195 (1340)
	PR-R3A-PC10	225 (1550)	285 (1960)
18" (450mm)	PR-R3A-PC8	60 (410)	145 (1000)
	PR-R3A-PC10	165 (1190)	210 (1450)
20" (500mm)	PR-R3A-PC10	30 (210)	130 (900)

Double-Acting ANSI Class 300

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
1" (25mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
1.5" (40mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
2" (50mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
2.5" (65mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
3" (80mm)	PR-R1A-PC4*	200 (1380)	285 (1960)
	PR-R1A-PC6	285 (1960)	—
4" (100mm)	PR-R1A-PC4*	—	100 (690)
	PR-R1A-PC6	285 (1960)	285 (1960)
6" (150mm)	PR-R2A-PC6	250 (1720)	285 (1960)
	PR-R2A-PC8	285 (1960)	—
8" (200mm)	PR-R2A-PC6	200 (1380)	250 (1720)
	PR-R2A-PC8	285 (1960)	285 (1960)
10" (250mm)	PR-R2A-PC6	125 (860)	190 (1310)
	PR-R2A-PC8	250 (1720)	285 (1960)
	PR-R3A-PC8	285 (1960)	—
12" (300mm)	PR-R2A-PC6	40 (280)	80 (550)
	PR-R2A-PC8	140 (960)	220 (1520)
	PR-R3A-PC8	285 (1960)	285 (1960)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

Spring Return ANSI Class 150

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
1" (25mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
1.5" (40mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
2" (50mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
2.5" (65mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
3" (80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	200 (1380)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
4" (100mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
6" (150mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	250 (1720)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	200 (1380)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	125 (860)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	250 (1720)
12" (300mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	40 (280)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	140 (960)
14" (350mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	100 (690)

Spring Return ANSI Class 300

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
1" (25mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
1.5" (40mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
2" (50mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
2.5" (65mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
3" (80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	200 (1380)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
4" (100mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
6" (150mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	250 (1720)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	200 (1380)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	125 (860)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	250 (1720)
12" (300mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	40 (280)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	140 (960)

BHP Butterfly Valves

Double-Acting ANSI Class 150 PTFE (TT/TI, RT/RI) Seats

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-5" (50-125mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
6" (150mm)	PR-R1A-PC4*	10 (70)	50 (340)
	PR-R1A-PC6	285 (1960)	285 (1960)
8" (200mm)	PR-R1A-PC6	200 (1380)	—
	PR-R2A-PC6	285 (1960)	285 (1960)
10" (250mm)	PR-R2A-PC6	140 (960)	285 (1960)
	PR-R2A-PC8	285 (1960)	—
12" (300mm)	PR-R2A-PC6	75 (520)	220 (1520)
	PR-R2A-PC8	285 (1960)	285 (1960)
14" (350mm)	PR-R2A-PC6	25 (170)	150 (1030)
	PR-R2A-PC8	285 (1960)	285 (1960)
16" (400mm)	PR-R2A-PC6	—	30 (210)
	PR-R2A-PC8	25 (170)	75 (520)
	PR-R3A-PC8	110 (760)	285 (1960)
	PR-R3A-PC10	285 (1960)	—
18" (450mm)	PR-R3A-PC8	70 (480)	130 (900)
	PR-R3A-PC10	250 (1720)	285 (1960)
20" (500mm)	PR-R3A-PC8	10 (70)	60 (410)
	PR-R3A-PC10	130 (900)	285 (1960)
24" (600mm)	PR-R3A-PC8	—	55 (380)
	PR-R3A-PC10	105 (720)	185 (1270)
28" (700mm)	PR-R3A-PC10	65 (450)	125 (860)
30" (750mm)	PR-R3A-PC10	65 (450)	125 (860)
36" (900mm)	PR-R3A-PC10	25 (170)	60 (410)
42" (1050mm)	PR-R3A-PC10	20 (140)	50 (340)

Double-Acting ANSI Class 300 PTFE (TT/TI, RT/RI) Seats

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-5" (50-125mm)	PR-R1A-PC4*	740 (5100)	740 (5100)
6" (150mm)	PR-R1A-PC4*	10 (70)	50 (340)
	PR-R1A-PC6	575 (3960)	740 (5100)
	PR-R2A-PC6	740 (5100)	—
8" (200mm)	PR-R2A-PC6	740 (5100)	740 (5100)
10" (250mm)	PR-R2A-PC6	140 (960)	740 (5100)
	PR-R2A-PC8	740 (5100)	—
12" (300mm)	PR-R2A-PC6	75 (520)	220 (1520)
	PR-R2A-PC8	350 (2410)	575 (3960)
	PR-R3A-PC8	640 (4410)	740 (5100)
	PR-R3A-PC10	740 (5100)	—
14" (350mm)	PR-R2A-PC6	25 (170)	150 (1030)
	PR-R2A-PC8	285 (1960)	440 (3030)
	PR-R3A-PC8	475 (3270)	740 (5100)
	PR-R3A-PC10	740 (5100)	—
16" (400mm)	PR-R2A-PC6	—	30 (210)
	PR-R2A-PC8	25 (170)	75 (520)
	PR-R3A-PC8	110 (760)	680 (4690)
	PR-R3A-PC10	740 (5100)	740 (5100)
18" (450mm)	PR-R3A-PC8	70 (480)	130 (900)
	PR-R3A-PC10	250 (1720)	670 (4620)
20" (500mm)	PR-R3A-PC8	10 (70)	60 (410)
	PR-R3A-PC10	130 (900)	350 (2410)
24" (600mm)	PR-R3A-PC8	—	55 (380)
	PR-R3A-PC10	105 (720)	185 (1270)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

BHP Butterfly Valves

Double-Acting ANSI Class 150 Fyre-Block® (TTS2/TIS2, RTS2/RIS2) Seats

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-4" (50-100mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
6" (150mm)	PR-R1A-PC4*	—	50 (340)
	PR-R1A-PC6	285 (1960)	285 (1960)
8" (200mm)	PR-R1A-PC6	150 (1030)	285 (1960)
	PR-R2A-PC6	285 (1960)	—
10" (250mm)	PR-R2A-PC6	50 (340)	130 (900)
	PR-R2A-PC8	230 (1585)	285 (1960)
12" (300mm)	PR-R2A-PC6	—	50 (340)
	PR-R2A-PC8	150 (1030)	275 (1890)
	PR-R3A-PC8	285 (1960)	—
14" (350mm)	PR-R2A-PC8	25 (170)	75 (170)
	PR-R3A-PC8	100 (690)	175 (1210)
	PR-R3A-PC10	240 (1650)	285 (1960)
16" (400mm)	PR-R2A-PC8	—	50 (340)
	PR-R3A-PC8	75 (520)	125 (860)
	PR-R3A-PC10	180 (1240)	285 (1960)
18" (450mm)	PR-R3A-PC8	40 (280)	80 (550)
	PR-R3A-PC10	120 (830)	225 (1550)
20" (500mm)	PR-R3A-PC8	10 (70)	50 (340)
	PR-R3A-PC10	90 (620)	175 (1210)
24" (600mm)	PR-R3A-PC8	—	10 (70)
	PR-R3A-PC10	40 (280)	100 (690)

Double-Acting ANSI Class 300 Fyre-Block® (TTS2/TIS2, RTS2/RIS2) Seats

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-3" (50-80mm)	PR-R1A-PC4*	740 (5100)	740 (5100)
4" (100mm)	PR-R1A-PC4*	600 (4130)	740 (5100)
	PR-R1A-PC6	740 (5100)	—
6" (150mm)	PR-R1A-PC4*	—	50 (340)
	PR-R1A-PC6	375 (2580)	550 (3790)
	PR-R2A-PC6	740 (5100)	740 (5100)
8" (200mm)	PR-R2A-PC6	675 (4650)	740 (5100)
	PR-R2A-PC8	740 (5100)	—
10" (250mm)	PR-R2A-PC6	50 (340)	130 (900)
	PR-R2A-PC8	230 (1585)	350 (2410)
	PR-R3A-PC8	375 (2580)	490 (3380)
	PR-R3A-PC10	575 (3960)	740 (5100)
12" (300mm)	PR-R2A-PC6	—	50 (340)
	PR-R2A-PC8	50 (340)	275 (1890)
	PR-R3A-PC8	300 (2070)	425 (2890)
	PR-R3A-PC10	525 (3620)	740 (5100)
14" (350mm)	PR-R2A-PC8	—	75 (520)
	PR-R3A-PC8	100 (690)	175 (1210)
	PR-R3A-PC10	240 (1650)	410 (2820)
16" (400mm)	PR-R2A-PC8	—	50 (340)
	PR-R3A-PC8	75 (520)	125 (860)
	PR-R3A-PC10	180 (1240)	300 (2070)
18" (450mm)	PR-R3A-PC8	40 (280)	80 (550)
	PR-R3A-PC10	120 (830)	225 (1550)
20" (500mm)	PR-R3A-PC8	10 (70)	50 (340)
	PR-R3A-PC10	90 (620)	175 (1240)
24" (600mm)	PR-R3A-PC8	—	10 (70)
	PR-R3A-PC10	40 (280)	100 (690)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

BHP Butterfly Valves

Double-Acting ANSI Class 150 Metal (S2) Seat

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-3" (50-80mm)	PR-R1A-PC4*	285 (1960)	285 (1960)
4" (100mm)	PR-R1A-PC4*	—	75 (520)
	PR-R1A-PC6	285 (1960)	285 (1960)
6" (150mm)	PR-R1A-PC6	—	100 (690)
	PR-R2A-PC6	285 (1960)	285 (1960)
8" (200mm)	PR-R2A-PC6	125 (860)	285 (1960)
	PR-R2A-PC8	285 (1960)	—
10" (250mm)	PR-R2A-PC8	150 (1030)	285 (1960)
12" (300mm)	PR-R2A-PC8	—	100 (690)
	PR-R3A-PC8	140 (960)	285 (1960)
	PR-R3A-PC10	285 (1960)	—
	PR-R2A-PC8	—	50 (340)
14" (350mm)	PR-R3A-PC8	75 (520)	175 (1210)
	PR-R3A-PC10	225 (1550)	285 (1960)
	PR-R2A-PC8	—	25 (170)
16" (400mm)	PR-R3A-PC8	50 (340)	125 (860)
	PR-R3A-PC10	160 (1100)	285 (1960)
	PR-R3A-PC8	25 (170)	80 (550)
18" (450mm)	PR-R3A-PC10	110 (760)	225 (1550)
	PR-R3A-PC8	—	40 (280)
20" (500mm)	PR-R3A-PC10	60 (410)	125 (860)
	PR-R3A-PC10	25 (170)	70 (480)

Double-Acting ANSI Class 300 Metal (S2) Seat

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2" (50mm)	PR-R1A-PC4*	740 (5100)	740 (5100)
2.5" (65mm)	PR-R1A-PC4*	625 (4310)	740 (5100)
	PR-R1A-PC6	740 (5100)	—
3" (80mm)	PR-R1A-PC4*	400 (2760)	675 (4650)
	PR-R1A-PC6	740 (5100)	740 (5100)
4" (100mm)	PR-R1A-PC4*	—	75 (520)
	PR-R1A-PC6	475 (3270)	740 (5100)
6" (150mm)	PR-R1A-PC6	—	100 (690)
	PR-R2A-PC6	550 (3790)	700 (4820)
	PR-R2A-PC8	740 (5100)	740 (5100)
8" (200mm)	PR-R2A-PC6	125 (860)	325 (2240)
	PR-R2A-PC8	525 (3620)	675 (4650)
	PR-R3A-PC8	710 (4890)	740 (5100)
	PR-R3A-PC10	740 (5100)	—
10" (250mm)	PR-R2A-PC8	150 (1030)	475 (3270)
	PR-R3A-PC8	500 (3450)	640 (4410)
	PR-R3A-PC10	680 (4690)	740 (5100)
12" (300mm)	PR-R2A-PC8	—	100 (690)
	PR-R3A-PC8	140 (960)	300 (2070)
	PR-R3A-PC10	410 (2820)	740 (5100)
14" (350mm)	PR-R2A-PC8	—	50 (340)
	PR-R3A-PC8	75 (520)	175 (1210)
	PR-R3A-PC10	225 (1550)	475 (3270)
16" (400mm)	PR-R2A-PC8	—	25 (170)
	PR-R3A-PC8	50 (340)	125 (860)
	PR-R3A-PC10	160 (1100)	310 (2140)
18" (450mm)	PR-R3A-PC8	25 (170)	80 (550)
	PR-R3A-PC10	110 (760)	225 (1550)
20" (500mm)	PR-R3A-PC8	—	40 (280)
	PR-R3A-PC10	60 (410)	125 (860)
24" (600mm)	PR-R3A-PC10	25 (170)	70 (480)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

BHP Butterfly Valves

Spring Return ANSI Class 150 PTFE (TT/TI, RT/RI) Seats

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2-5" (50-125mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
6" (150mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	10 (70)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
8" (200mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	200 (1380)
	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	285 (1960)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	140 (960)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
12" (300mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	75 (520)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
14" (350mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	25 (170)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
16" (400mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	25 (170)

Spring Return ANSI Class 300 PTFE (TT/TI, RT/RI) Seats

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2-5" (50-125mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	740 (5100)
6" (150mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	10 (70)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	740 (5100)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	740 (5100)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	140 (960)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	740 (5100)
12" (300mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	75 (520)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	350 (2410)
14" (350mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	25 (170)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
16" (400mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	25 (170)

Spring Return ANSI Class 150 Fyre-Block® (TTS2/TIS2, RTS2/RIS2) Seats

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2-3" (50-80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
4" (100mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
6" (150mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
8" (200mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	150 (1030)
	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	285 (1960)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	150 (1030)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	230 (1585)
12" (300mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	150 (1030)
14" (350mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	25 (170)

Spring Return ANSI Class 300 Fyre-Block® (TTS2/TIS2, RTS2/RIS2) Seats

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2-3" (50-80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	740 (5100)
4" (100mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	600 (4130)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	740 (5100)
6" (150mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	375 (2580)
	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	740 (5100)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	675 (4650)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	740 (5100)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	50 (340)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	230 (1585)
12" (300mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	150 (1030)
14" (350mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	25 (170)

Spring Return ANSI Class 150 Metal (S2) Seat

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2-3" (50-80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	285 (1960)
4" (100mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	285 (1960)
6" (150mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	285 (1960)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	125 (860)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	285 (1960)
10" (250mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	150 (1030)

Spring Return ANSI Class 300 Metal (S2) Seat

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
2-2.5" (50-65mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	740 (5100)
3" (80mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	675 (4650)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	740 (5100)
4" (100mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	75 (520)
	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	740 (5100)
6" (150mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	700 (4820)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	740 (5100)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	325 (2240)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	675 (4650)
10" (250mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	150 (1030)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

BRS Butterfly Valves

Double-Acting

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-5" (50-125mm)	PR-R1A-PC4*	175 (1210)	175 (1210)
6" (150mm)	PR-R1A-PC4*	50 (340)	100 (690)
	PR-R1A-PC6	175 (1210)	175 (1210)
8" (200mm)	PR-R2A-PC6	175 (1210)	175 (1210)
10" (250mm)	PR-R2A-PC6	175 (1210)	175 (1210)
12" (300mm)	PR-R2A-PC6	50 (340)	125 (860)
	PR-R2A-PC8	175 (1210)	175 (1210)
14" (350mm)	PR-R2A-PC6	—	50 (340)
	PR-R2A-PC8	125 (860)	175 (1210)
16" (400mm)	PR-R3A-PC8	175 (1210)	175 (1210)
18" (450mm)	PR-R3A-PC8	75 (520)	175 (1210)
	PR-R3A-PC10	175 (1210)	—
20" (500mm)	PR-R3A-PC8	25 (170)	75 (520)
	PR-R3A-PC10	150 (1030)	175 (1210)

Double-Acting Pressure Range to 225 psi

Valve Size	Actuator Code	Max. Shutoff Pressure Differential Air Supply psi (kPa)	
		60 (410)	80 (550)
2-4" (50-100mm)	PR-R1A-PC4*	225 (1550)	225 (1550)
5" (125mm)	PR-R1A-PC4*	—	225 (1550)
	PR-R1A-PC6	225 (1550)	—
6" (50mm)	PR-R1A-PC6	225 (1550)	225 (1550)
8" (200mm)	PR-R2A-PC6	225 (1550)	225 (1550)
10" (250mm)	PR-R2A-PC6	—	225 (1550)
	PR-R2A-PC8	225 (1550)	—
12" (300mm)	PR-R2A-PC8	225 (1550)	225 (1550)
14" (350mm)	PR-R2A-PC8	—	225 (1550)
	PR-R3A-PC8	225 (1550)	—
16" (400mm)	PR-R3A-PC8	—	225 (1550)
	PR-R3A-PC10	225 (1550)	—
18" (450mm)	PR-R3A-PC10	225 (1550)	225 (1550)
20" (500mm)	PR-R3A-PC10	—	225 (1550)

Valves for 225 psi shutoff require special construction.

Spring Return to 225 psi and Undercut Disc sizing on application. Contact factory for dimensional drawings.

Spring Return

Valve Size	Actuator Code		Max. Shutoff Pressure Differential Air Supply psi (kPa)
	Spring-to-Close	Spring-to-Open	
			60 (410)
2-5" (50-125mm)	PR-R1A-SC4-R-60*	PR-R1A-SC4-D-60*	175 (1210)
6" (150mm)	PR-R1A-SC6-R-60	PR-R1A-SC6-D-60	175 (1210)
8" (200mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	175 (1210)
10" (250mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	175 (1210)
12" (300mm)	PR-R2A-SC6-R-60	PR-R2A-SC6-D-60	50 (340)
	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	175 (1210)
14" (350mm)	PR-R2A-SC8-R-60	PR-R2A-SC8-D-60	125 (860)

*For the best positioner performance, size C6 cylinder should be used.

Note: When PowerRac® is ordered with TMO, all four mounting positions may not be available. Contact factory for dimensional drawings.

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