



ROTARY DIAPHRAGM ACTUATORS SIZING SHEETS



RCV Rotary Control Valves

ANSI Class 150

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
1" (25mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
1.5" (40mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	285 (1960)	—	—
2" (50mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	125 (860)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	285 (1960)	—
2.5" (65mm)	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	275 (1890)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	150 (1030)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	25 (170)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	250 (1720)	—	—
3" (80mm)	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	150 (1030)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	50 (340)	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	250 (1720)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	125 (860)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	285 (1960)
4" (100mm)	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	100 (690)	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	285 (1960)
6" (150mm)	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	150 (1030)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	25 (170)
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	175 (1210)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	25 (170)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	75 (520)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
8" (200mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	285 (1960)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	25 (170)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	275 (1890)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	125 (860)	—
10" (250mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	275 (1890)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	—	100 (690)	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	125 (860)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	25 (170)	—
12" (300mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	275 (1890)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	100 (690)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	25 (170)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
12" (300mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	150 (1030)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	25 (170)	—

Rotary Control Valves

ANSI Class 300

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
1" (25mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	740 (5100)	—	—
1.5" (40mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	400 (2760)	—	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	740 (5100)	—	—
2" (50mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	700 (4820)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	400 (2760)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	125 (860)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	550 (3790)	—	—
2.5" (65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	275 (1890)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	150 (1030)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	25 (170)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	500 (3450)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	250 (1720)	—	—
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	740 (5100)	—
3" (80mm)	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	625 (4310)	—	—
	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	150 (1030)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	50 (340)	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	600 (4130)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	250 (1720)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	125 (860)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	650 (4480)	—
4" (100mm)	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	350 (2410)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	300 (2070)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	100 (690)	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	740 (5150)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	350 (2410)	—
6" (150mm)	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	150 (1030)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	25 (170)
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	175 (1210)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	25 (170)	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	675 (4650)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	325 (2240)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	75 (520)	—	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	740 (5100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	675 (4650)	—
8" (200mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	300 (2070)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	25 (170)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	275 (1890)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	125 (860)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	600 (4130)
10" (250mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	275 (1890)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	100 (690)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	125 (860)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	25 (170)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	275 (1890)
12" (300mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	25 (170)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	150 (1030)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	25 (170)	—

VPB V-Port Ball Valves

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
1 & 1.5" (25 & 40mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
2" (50mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	285 (1960)	—	—
2.5" (65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	150 (1030)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	100 (690)	—	—
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	285 (1960)	—
3" (80mm)	DR-55-SP20-R	DR-55-SP20-R	Std./90/180/270	285 (1960)	—	—
	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	200 (1380)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	50 (340)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	25 (170)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-55-SP20-R	DR-55-SP20-R	Std./90/180/270	285 (1960)	—	—
4" (100mm)	DR-85-SP20-R	DR-85-SP20-R	Std./90/180/270	285 (1960)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	50 (340)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	25 (170)	—	—
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	285 (1960)	—
6" (150mm)	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	50 (340)
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	100 (690)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	50 (340)	—	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./90/180/270	200 (1380)	—	—
8" (200mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	250 (1720)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	50 (340)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	25 (170)	—	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./90/180/270	150 (1030)	—	—
10" (250mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	120 (830)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	225 (1550)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	50 (340)	—	—
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	285 (1960)	—
12" (300mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	175 (1210)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	250 (1720)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	100 (1690)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	25 (170)	—	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	250 (1720)	—
14" (350mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	125 (860)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	200 (1380)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	75 (1520)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	200 (1380)	—
16" (400mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	25 (170)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	150 (1030)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	50 (340)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
18" (450mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	150 (1030)	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	200 (1380)
20" (500mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	50 (340)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	50 (340)

BHP Butterfly Valves

ANSI Class 150

PTFE (TT/TI, RT/RI) Seats

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
2 & 2.5" (50 & 65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
3" (80mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	100 (690)	—	—
4" (100mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./180	—	285 (1960)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./180	285 (1960)	—	—
5" (125mm)	DR-55-SP60-R	DR-55-SP60-D	Std./180	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./180	—	285 (1960)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./180	75 (520)	—	—
6" (150mm)	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	75 (520)	—	—
8" (200mm)	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	25 (170)	—	—
10" (250mm)	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	100 (690)
12" (300mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	60 (410)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
14" (350mm)	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	25 (170)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	40 (280)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
16" (400mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	240 (1650)	—
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	25 (170)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	240 (1650)	—	—
18" (450mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	200 (1380)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	25 (170)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	150 (1030)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	25 (170)	—	—
20" (500mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	80 (550)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	75 (520)	—
24" (600mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	20 (140)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	250 (1720)
30" (750mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	15 (100)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	150 (1030)
30" (750mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	100 (690)

BHP Butterfly Valves

ANSI Class 150

Fyre-Block[®] (TTS2) Seat

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
2 & 2.5" (50 & 65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
3" (80mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	285 (1960)	—	—
4" (100mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	200 (1380)	—
	DR-55-SP35-R	DR-55-SP35-D	Std./180	—	285 (1960)	—
6" (150mm)	DR-55-SP20-R	DR-55-SP20-D	Std./180	285 (1960)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	100 (690)	—
	DR-85-SP35-R	DR-85-SP35-D	Std./180	—	285 (1960)	—
8" (200mm)	DR-85-SP20-R	DR-85-SP20-D	Std./180	250 (1720)	—	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./180	—	—	285 (1960)
	DR-85-SP35-R	DR-85-SP35-D	Std./180	—	75 (520)	—
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
10" (250mm)	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	150 (1030)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./180	—	—	100 (690)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	175 (1210)	—
12" (300mm)	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	75 (520)	—	—
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	285 (1960)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	175 (1210)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./90/180/270	—	—	275 (1890)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	30 (210)	—
14" (350mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	275 (1890)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	30 (210)	—	—
16" (400mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	225 (1550)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	50 (340)	—
18" (450mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	25 (170)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	200 (1380)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	25 (170)	—
20" (500mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	175 (1210)
						125 (860)

BHP Butterfly Valves

ANSI Class 150

Metal (S2) Seats

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
2-3" (50-80mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./180	285 (1960)	—	—
4" (100mm)	DR-55-SP60-R	DR-55-SP60-D	Std./180	—	—	285 (1960)
	DR-55-SP35-R	DR-55-SP35-D	Std./180	—	100 (690)	—
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	285 (1960)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	285 (1960)	—	—
6" (150mm)	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	285 (1960)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	225 (1550)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
8" (200mm)	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	200 (1380)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
10" (250mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	285 (1960)	—
12" (300mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	75 (520)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	285 (1960)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	75 (520)	—
14" (350mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	225 (1550)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	50 (340)	—
16" (400mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	25 (170)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	200 (1380)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	25 (170)	—
18" (450mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	175 (1210)
20" (500mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	125 (860)

BHP Butterfly Valves

ANSI Class 300

PTFE (TT/TI, RT/RI) Seats

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
2 & 2.5" (50 & 65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	700 (4820)	—	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	740 (5100)	—	—
3" (80mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	740 (5100)	—	—
4" (100mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	400 (2760)
	DR-55-SP60-R	DR-55-SP60-D	Std./180	—	—	740 (5100)
	DR-55-SP35-R	DR-55-SP35-D	Std./180	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./180	375 (2580)	—	—
5" (125mm)	DR-55-SP60-R	DR-55-SP60-D	Std./180	—	—	740 (5100)
	DR-55-SP35-R	DR-55-SP35-D	Std./180	—	740 (5100)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	740 (5100)	—	—
6" (150mm)	DR-55-SP60-R	DR-55-SP60-D	Std./180	—	—	475 (3270)
	DR-85-SP60-R	DR-85-SP60-D	Std./180	—	—	740 (5100)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	650 (4480)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	75 (520)	—	—
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	740 (5100)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	740 (5100)	—	—
8" (200mm)	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	350 (2410)
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	25 (170)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	740 (5100)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	740 (5100)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	740 (5100)	—	—
10" (250mm)	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	100 (690)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	740 (5100)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	740 (5100)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	60 (410)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	740 (5100)	—	—
12" (300mm)	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	25 (170)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	675 (4650)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	40 (280)	—	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	740 (5100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	650 (4480)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
14" (350mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	500 (3450)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	240 (1650)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	25 (170)	—	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	740 (5100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	475 (3270)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	240 (1650)	—	—
16" (400mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	200 (1380)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	25 (170)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	740 (5100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	150 (1030)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	25 (170)	—	—
18" (450mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	80 (550)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	740 (5100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	75 (520)	—
20" (500mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	20 (140)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	250 (1720)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	15 (100)	—
24" (600mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	150 (1030)

BHP Butterfly Valves

ANSI Class 300

Fyre-Block[®] (TTS2) Seat

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
2 & 2.5" (50 & 65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-40A-SP20-R	DR-40A-SP20-D	Std./90/180/270	600 (4130)	—	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	740 (5100)	—	—
3" (80mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	600 (4130)	—
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	740 (5100)	—	—
4" (100mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	400 (2760)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	200 (1380)	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	740 (5100)	—
6" (150mm)	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	525 (3620)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	300 (2070)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	100 (690)	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	740 (5100)
8" (200mm)	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	450 (3100)	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	250 (1720)	—	—
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	740 (5100)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	450 (3100)	—	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	740 (5100)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	350 (2410)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	75 (520)	—
10" (250mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	450 (3100)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	285 (1960)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	150 (1030)	—	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	650 (4480)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	450 (3100)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	100 (690)
12" (300mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	340 (2340)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	175 (1210)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	75 (520)	—	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	550 (3790)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	340 (2340)	—
	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	175 (1210)	—	—
14" (350mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	275 (1890)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	30 (210)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	525 (3620)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	275 (1890)	—
16" (400mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	30 (210)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	225 (1550)
18" (450mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	50 (340)	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	25 (170)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	200 (1380)
20" (500mm)	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	25 (170)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	175 (1210)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	125 (860)

BHP Butterfly Valves

ANSI Class 300

Metal (S2) Seats

Valve Size	Actuator Code		Mounting Position	Max. Shutoff Pressure Differential Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open		20 (140)	35 (240)	60 (410)
2" (50mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	740 (5100)	—	—
2.5" (65mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	350 (2410)	—
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	600 (4130)	—	—
	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	740 (5100)	—	—
3" (80mm)	DR-40A-SP60-R	DR-40A-SP60-D	Std./90/180/270	—	—	450 (3100)
	DR-40A-SP35-R	DR-40A-SP35-D	Std./90/180/270	—	300 (2070)	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	740 (5100)	—
	DR-55-SP20-R	DR-55-SP20-D	Std./90/180/270	375 (2580)	—	—
4" (100mm)	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	740 (5100)	—	—
	DR-55-SP60-R	DR-55-SP60-D	Std./90/180/270	—	—	450 (3100)
	DR-55-SP35-R	DR-55-SP35-D	Std./90/180/270	—	100 (690)	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	740 (5100)
	DR-85-SP35-R	DR-85-SP35-D	Std./90/180/270	—	600 (4130)	—
6" (150mm)	DR-85-SP20-R	DR-85-SP20-D	Std./90/180/270	285 (1960)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	550 (3790)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	740 (5100)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	725 (5000)	—
	DR-145A-SP20-R	DR-145A-SP20-D	Std./180	225 (1550)	—	—
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	740 (5100)	—
8" (200mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	725 (5000)	—	—
	DR-85-SP60-R	DR-85-SP60-D	Std./90/180/270	—	—	200 (1380)
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	660 (4550)
	DR-145A-SP35-R	DR-145A-SP35-D	Std./180	—	375 (2580)	—
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	740 (5100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	660 (4550)	—
10" (250mm)	DR-250A-SP20-R	DR-250A-SP20-D	Std./180	375 (2580)	—	—
	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	390 (2690)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	710 (4890)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	390 (2690)	—
12" (300mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	75 (520)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	450 (3100)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	75 (520)	—
14" (350mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	50 (340)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	225 (1550)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	50 (340)	—
16" (400mm)	DR-145A-SP60-R	DR-145A-SP60-D	Std./180	—	—	25 (170)
	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	200 (1380)
	DR-250A-SP35-R	DR-250A-SP35-D	Std./180	—	25 (170)	—
18" (450mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	175 (1210)
20" (500mm)	DR-250A-SP60-R	DR-250A-SP60-D	Std./180	—	—	125 (860)

Sales and Service

For information about our worldwide locations, approvals, certifications and local representative:

Web Site: www.dezurik.com E-Mail: info@dezurik.com



250 Riverside Ave. N. Sartell, Minnesota 56377 • Phone: 320-259-2000 • Fax: 320-259-2227

DeZURIK reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing by DeZURIK. Certified drawings are available upon request.