

DeZURIK ROTARY DIAPHRAGM ACTUATORS SIZING SHEETS



RCV Rotary Control Valves

ASME Class 150

Valve Size	Actuator Code		Max. Shutoff Pressure Differential		
			Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open	20 (140)	35 (240)	60 (410)
1" (25mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
1.5" (40mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	100 (690)	—
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	200 (1380)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1960)
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	200 (1380)
	DR-85B-SP35-R	DR-85B-SP35-D	—	100 (690)	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	250 (1720)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	75 (520)	—	—
8" (200mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	100 (690)
	DR-85B-SP35-R	DR-85B-SP35-D	—	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	200 (1380)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
10" (250mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	100 (690)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	200 (1380)
	DR-125-SP35-R	DR-125-SP35-D	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	250 (1720)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
12" (300mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	250 (1720)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	50 (350)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	100 (690)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	200 (1380)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	100 (690)	—

* Only available in Std/180 mounting position

RCV Rotary Control Valves

ASME Class 300

Valve Size	Actuator Code		Max. Shutoff Pressure Differential		
			Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open	20 (140)	35 (240)	60 (410)
1" (25mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
1.5" (40mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	450 (3100)	—
	DR-85B-SP35-R	DR-85B-SP35-D	—	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	500 (3450)
	DR-40B-SP35-R	DR-40B-SP35-D	—	100 (690)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	—	740 (5100)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	200 (1380)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	740 (5150)
	DR-85B-SP35-R	DR-85B-SP35-D	—	350 (2410)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	200 (1380)
	DR-85B-SP35-R	DR-85B-SP35-D	—	100 (690)	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	450 (3100)
	DR-125-SP35-R	DR-125-SP35-D	—	250 (1720)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	740 (5150)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	350 (2410)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	75 (520)	—	—
8" (200mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	740 (5150)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	300 (2070)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	100 (690)
	DR-85B-SP35-R	DR-85B-SP35-D	—	50 (350)	—
10" (250mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	200 (1380)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	350 (2410)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	600 (4130)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	300 (2070)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	100 (690)	—	—
12" (300mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	200 (1380)
	DR-125-SP35-R	DR-125-SP35-D	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	250 (1720)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	450 (3100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	250 (1720)	—
12" (300mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	50 (350)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	100 (690)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	200 (1380)
12" (300mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	100 (690)	—

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 150
Flex Metal Seat (S6N, S5C)
PTFE Bearings (FT)
Flow to Open

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	250 (1720)	—
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	100 (690)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	200 (1380)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	—	150 (1030)	—
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	150 (1030)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	100 (1690)
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (1690)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	250 (1720)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	50 (350)	—	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	175 (1210)	—	—
12" (300mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	150 (1030)
	DR-125-SP35-R	DR-125-SP35-D	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	25 (170)	—	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	125 (860)	—	—
14" (350mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	200 (1380)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
16" (400mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	50 (350)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	150 (1030)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	150 (1030)	—
18" (450mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	50 (350)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	200 (1380)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	50 (350)

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 150

Solid Seat (S3S, S3SI, S3R, S3RI, HCRI)

PTFE Bearings (FT)

Flow to Open

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	100 (690)	—
6" (150mm)	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	—	250 (1720)	—
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1660)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	200 (1380)	—	—
8" (200mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1960)
	DR-85B-SP35-R	DR-85B-SP35-D	—	200 (1380)	—
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	150 (1030)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	150 (1030)
	DR-85B-SP35-R	DR-85B-SP35-D	—	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	200 (1380)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	50 (350)	—	—
12" (300mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	175 (1210)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	100 (690)
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (690)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	200 (1380)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	25 (170)	—	—
14" (350mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	125 (860)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	150 (1030)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	100 (690)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	250 (1720)	—
16" (400mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (690)
18" (450mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	200 (1380)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	100 (690)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	200 (1380)
20" (500mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	100 (690)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	100 (690)

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 150

Solid Seat (S3S, S3SI, S3R, S3RI, HCRI),

Solid Bearings (S9, S9VS, SL, SLVS, SLKS, HC, HCVS, HCKS)

Flow To Open

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	—	150 (1030)	—
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	200 (1380)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1960)
	DR-85B-SP35-R	DR-85B-SP35-D	—	150 (1030)	—
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	150 (1030)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	100 (690)
	DR-125-SP60-R	DR-125-SP60-D	—	—	250 (1720)
	DR-125-SP35-R	DR-125-SP35-D	—	150 (1030)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	200 (1380)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	50 (350)	—	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	175 (1210)	—	—
12" (300mm)	DR-85-SP60-R	DR-85-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	150 (1030)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	25 (170)	—	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	125 (860)	—	—
14" (350mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	150 (1030)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	100 (690)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	150 (1030)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
16" (400mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	50 (350)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	150 (1030)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	250 (1720)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	150 (1030)	—
18" (450mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	50 (350)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	150 (1030)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	50 (350)

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 150

PTFE Seat (RT), PTFE Bearings (FT)

Flow To Open

Valve Size	Actuator Code		Max. Shutoff Pressure Differential		
			Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open	20 (140)	35 (240)	60 (410)
1-4" (25-100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	150 (1030)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1660)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	200 (1380)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	—	250 (1720)	—
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	150 (1030)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	250 (1720)
	DR-85B-SP35-R	DR-85B-SP35-D	—	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	50 (350)	—	—
12" (300mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	175 (1210)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	150 (1030)
	DR-85B-SP35-R	DR-85B-SP35-D	—	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	150 (1030)	—
14" (350mm)	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	25 (170)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	125 (860)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	200 (1380)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
16" (400mm)	DR-145A-SP35-R*	DR-145A-SP35-D*	—	100 (690)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
18" (450mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	200 (1380)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	100 (690)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	100 (690)

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 300

Flex Metal Seat (S6N, S5C), PTFE Bearings (FT)

Flow To Open

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
1-2.5" (25-65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	650 (4480)	—
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	250 (1720)	—
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	100 (690)
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	400 (2700)	—
	DR-125-SP35-R	DR-125-SP35-D	740 (5100)	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	350 (2410)
	DR-85B-SP35-R	DR-85B-SP35-D	150 (1030)	—
	DR-125-SP60-R	DR-125-SP60-D	—	740 (5100)
	DR-125-SP35-R	DR-125-SP35-D	450 (3100)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	650 (4480)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	740 (5100)	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	100 (690)
	DR-125-SP60-R	DR-125-SP60-D	—	300 (2070)
	DR-125-SP35-R	DR-125-SP35-D	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	450 (3100)
	DR-145A-SP35-R*	DR-145A-SP35-D*	250 (1720)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	740 (5100)
12" (300mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	450 (3100)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	150 (1030)
	DR-125-SP35-R	DR-125-SP35-D	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	300 (2070)
	DR-145A-SP35-R*	DR-145A-SP35-D*	150 (1030)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	600 (4140)
	DR-250A-SP35-R*	DR-250A-SP35-D*	300 (2070)	—

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 300

Solid Seat (S3S, S3SI, S3R, S3RI, HCRI), PTFE Bearings (FT)

Flow To Open

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
1-2" (25-50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	740 (5100)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	500 (3450)	—
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	450 (3100)	—
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	500 (3450)
	DR-40B-SP35-R	DR-40B-SP35-D	100 (690)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	600 (4100)
	DR-85B-SP35-R	DR-85B-SP35-D	250 (1720)	—
	DR-125-SP60-R	DR-125-SP60-D	—	740 (5100)
	DR-125-SP35-R	DR-125-SP35-D	650 (4480)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	740 (5100)	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	450 (3100)
	DR-85B-SP35-R	DR-85B-SP35-D	200 (1380)	—
	DR-125-SP60-R	DR-125-SP60-D	—	740 (5100)
	DR-125-SP35-R	DR-125-SP35-D	550 (3800)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	740 (5100)	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	150 (1030)
	DR-85B-SP35-R	DR-85B-SP35-D	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	350 (2410)
	DR-125-SP35-R	DR-125-SP35-D	200 (1380)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	600 (4100)
	DR-145A-SP35-R*	DR-145A-SP35-D*	300 (2070)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	550 (3800)	—
12" (300mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	100 (690)
	DR-125-SP60-R	DR-125-SP60-D	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	400 (2760)
	DR-145A-SP35-R*	DR-145A-SP35-D*	200 (1380)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	400 (2750)	—

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 300

**Solid Seat (S3S, S3SI, S3R, S3RI, HCRI),
Solid Bearings (S9, S9VS, SL, SLVS, SLKS, HC, HCVS)
Flow To Open**

Valve (Size)	Actuator (Code)		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
1-2" (25-50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	740 (5100)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	650 (4480)
	DR-40B-SP35-R	DR-40B-SP35-D	350 (2410)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	600 (4140)
	DR-40B-SP35-R	DR-40B-SP35-D	300 (2070)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	285 (1960)
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	400 (2750)
	DR-85B-SP35-R	DR-85B-SP35-D	150 (1030)	—
	DR-125-SP60-R	DR-125-SP60-D	—	740 (5100)
	DR-125-SP35-R	DR-125-SP35-D	450 (3100)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	650 (4470)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	740 (5100)	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	300 (2070)
	DR-85B-SP35-R	DR-85B-SP35-D	150 (1030)	—
	DR-125-SP60-R	DR-125-SP60-D	—	650 (4480)
	DR-125-SP35-R	DR-125-SP35-D	350 (2410)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	740 (5100)
	DR-145A-SP35-R*	DR-145A-SP35-D*	500 (3450)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	740 (5100)	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	100 (690)
	DR-125-SP60-R	DR-125-SP60-D	—	250 (1720)
	DR-125-SP35-R	DR-125-SP35-D	150 (1030)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	400 (2750)
	DR-145A-SP35-R*	DR-145A-SP35-D*	200 (1380)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	400 (2750)	—
12" (300mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	150 (1030)
	DR-125-SP35-R	DR-125-SP35-D	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	300 (2070)
	DR-145A-SP35-R*	DR-145A-SP35-D*	150 (1030)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	550 (3700)
	DR-250A-SP35-R*	DR-250A-SP35-D*	285 (1960)	—

* Only available in Std/180 mounting position

VPB V-Port Ball Valves

ASME Class 300

PTFE Seat (RT), PTFE Bearings (FT)

Flow To Open

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
1-4" (25-100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	285 (1960)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	150 (1030)
	DR-85B-SP60-R	DR-85B-SP60-D	—	285 (1660)
	DR-85B-SP35-R	DR-85B-SP35-D	285 (1960)	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	285 (1960)
	DR-85B-SP35-R	DR-85B-SP35-D	250 (1550)	—
	DR-125-SP35-R	DR-125-SP35-D	285 (1960)	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	250 (1720)
	DR-85B-SP35-R	DR-85B-SP35-D	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	285 (1960)	—
12" (300mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	150 (1030)
	DR-85B-SP35-R	DR-85B-SP35-D	50 (350)	—
	DR-125-SP60-R	DR-125-SP60-D	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	150 (1030)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	285 (1960)	—

* Only available in Std/180 mounting position

BHP High Performance Butterfly Valves

ASME Class 150

PTFE Seat (TT, TI, RT, RI)

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	200 (1380)	—
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
5" (125mm)	DR-40B-SP60-R*	DR-40B-SP60-D*	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	50 (350)	—
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
6" (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	285 (1960)	—	—
8" (200mm)	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	200 (1380)	—
	DR-125-SP35-R*	DR-125-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	175 (1200)
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	285 (1960)
	DR-125-SP35-R*	DR-125-SP35-D*	—	200 (1380)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
12" (300mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	285 (1960)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (690)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	200 (1380)	—
14" (350mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	200 (1380)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	175 (1210)
	DR-125-SP35-R	DR-125-SP35-D	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D	—	—	285 (1960)
16" (400mm)	DR-145A-SP35-R*	DR-145A-SP35-D*	—	100 (690)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	200 (1380)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	75 (520)	—	—
18" (450mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1375)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	125 (860)	—
20" (500mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	25 (170)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
24" (600mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
28-30" (700-750mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	100 (690)

* Only available in Std/180 mounting position

BHP High Performance Butterfly Valves

ASME Class 150

Dual Seat (TTS2, TIS2, RTS2, RIS2)

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	250 (1720)	—
6" (150mm)	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	285 (1960)	—	—
8" (200mm)	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	75 (520)	—
	DR-125-SP35-R*	DR-125-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	150 (1030)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	200 (1380)
	DR-125-SP35-R*	DR-125-SP35-D*	—	75 (520)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	150 (1030)	—	—
12" (300mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R	DR-145A-SP60-D	—	—	275 (1890)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	250 (1720)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	50 (350)	—	—
14" (350mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	75 (520)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	225 (1550)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
16" (400mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	50 (350)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	175 (1210)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
18" (450mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	75 (520)

* Only available in Std/180 mounting position

BHP High Performance Butterfly Valves

ASME Class 150

Metal Seat (S2)

Valve Size	Actuator Code		Max. Shutoff Pressure Differential		
			Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open	20 (140)	35 (240)	60 (410)
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	285 (1960)	—
2.5" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
4" (100mm)	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	285 (1960)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	285 (1960)	—	—
	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
6" (150mm)	DR-125-SP35-R*	DR-125-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	50 (350)
8" (200mm)	DR-125-SP60-R*	DR-125-SP60-D*	—	—	285 (1960)
	DR-125-SP35-R*	DR-125-SP35-D*	—	75 (520)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	100 (690)
10" (250mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	75 (520)
12" (300mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	25 (170)
14" (350mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	225 (1550)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
16" (400mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	175 (1210)
18" (450mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	100 (690)

* Only available in Std/180 mounting position

BHP High Performance Butterfly Valves

ASME Class 300

PTFE Seats (TT, TI, RT, RI)

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	200 (1380)	—
	DR-85B-SP35-R	DR-85B-SP35-D	—	740 (5100)	—
5 (125mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	50 (350)	—
	DR-85B-SP35-R	DR-85B-SP35-D	—	740 (5100)	—
6 (150mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	—	740 (5100)	—
8" (200mm)	DR-145A-SP20-R*	DR-145A-SP20-D*	740 (5100)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	—	200 (1380)	—
	DR-125-SP35-R*	DR-125-SP35-D*	—	740 (5100)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	600 (4140)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	175 (1210)
	DR-125-SP60-R	DR-125-SP60-D	—	—	740 (5100)
	DR-125-SP35-R	DR-125-SP35-D	—	200 (1380)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	740 (5100)	—
12" (300mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	400 (2760)
	DR-125-SP35-R	DR-125-SP35-D	—	100 (690)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	675 (4650)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	200 (1380)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	650 (4480)	—
14" (350mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	200 (1380)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	175 (1210)
	DR-125-SP35-R	DR-125-SP35-D	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	500 (3450)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	100 (690)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	475 (3270)	—
16" (400mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	125 (860)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	200 (1380)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	75 (520)	—	—
18" (450mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	50 (350)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	100 (690)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	550 (3800)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	125 (860)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
20" (500mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	25 (170)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
24" (600mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
28-30" (700-750mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	100 (690)

* Only available in Std/180 mounting position

BHP High Performance Butterfly Valves

ASME Class 300

Dual Seat (TTS2, TIS2, RTS2, RIS2)

Valve Size	Actuator Code		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-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	450 (3100)	—
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	740 (5100)	—
4" (100mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	575 (3960)
	DR-40B-SP35-R	DR-40B-SP35-D	—	250 (1720)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	—	740 (5100)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	740 (5100)	—	—
6" (150mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	675 (4650)
	DR-85B-SP35-R	DR-85B-SP35-D	—	285 (1960)	—
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	740 (5100)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	740 (5100)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	400 (2760)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	500 (3450)
	DR-85B-SP35-R	DR-85B-SP35-D	—	75 (520)	—
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	740 (5100)
	DR-125-SP35-R*	DR-125-SP35-D*	—	600 (4140)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	740 (5100)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	200 (1380)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
10" (250mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	—	200 (1380)
	DR-125-SP35-R	DR-125-SP35-D	—	75 (520)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	340 (2340)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	150 (1030)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	550 (3790)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	325 (2240)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	150 (1030)	—	—
12" (300mm)	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	275 (1890)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	525 (3620)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	250 (1720)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	50 (350)	—	—
14" (350mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	75 (520)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	225 (1550)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
16" (400mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	50 (350)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	175 (1210)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
18" (450mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	75 (520)

* Only available in Std/180 mounting position

BHP High Performance Butterfly Valves

ASME Class 300 Metal Seats (S2)

Valve Size	Actuator Code		Max. Shutoff Pressure Differential		
			Air Supply psi (kPa)		
	Spring-to-Close	Spring-to-Open	20 (140)	35 (240)	60 (410)
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	740 (5100)
	DR-40B-SP35-R	DR-40B-SP35-D	—	740 (5100)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	550 (3800)
	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	740 (5100)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	740 (5100)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	—	325 (2240)
	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	740 (5100)
	DR-85B-SP35-R*	DR-85B-SP35-D*	—	740 (5100)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	740 (5100)	—	—
4" (100mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	740 (5100)
	DR-85B-SP35-R	DR-85B-SP35-D	—	350 (2410)	—
	DR-125-SP35-R*	DR-125-SP35-D*	—	740 (5100)	—
	DR-145A-SP20-R*	DR-145A-SP20-D*	500 (3450)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
6" (150mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	400 (2760)
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	740 (5100)
	DR-125-SP35-R*	DR-125-SP35-D*	—	450 (3100)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	675 (4650)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	740 (5100)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	725 (5000)	—	—
8" (200mm)	DR-85B-SP60-R	DR-85B-SP60-D	—	—	50 (350)
	DR-125-SP60-R*	DR-125-SP60-D*	—	—	450 (3100)
	DR-125-SP35-R*	DR-125-SP35-D*	—	75 (520)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	660 (4550)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	740 (5100)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	660 (4550)	—
10" (250mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	300 (2070)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	390 (2690)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	575 (3960)
12" (300mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	350 (2410)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	75 (520)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	400 (2760)
14" (350mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	25 (170)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	225 (1550)
16" (400mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
18" (450mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	175 (1210)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
			—	—	100 (690)

* Only available in Std/180 mounting position

PEC Eccentric Plug Valves

Resilient Plug, Metal Seat, Direct Pressure

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
.5 - 1" (15 - 25mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	275 (1890)	—
1.25 - 1.5" (32 - 40mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	275 (1890)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	225 (1550)	—
	DR-85B-SP35-R	DR-85B-SP35-D	275 (1890)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	50 (340)	—
	DR-85B-SP35-R	DR-85B-SP35-D	275 (1890)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	150 (1030)
	DR-85B-SP60-R	DR-85B-SP60-D	—	275 (1890)
	DR-85B-SP35-R	DR-85B-SP35-D	275 (1890)	—

Resilient Plug, Metal Seat, Reverse Pressure

Metal Plug, Metal Seat, Direct and Reverse Pressure

Hard Rubber Lined (CIH), Direct and Reverse Pressure

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
.5 - 1" (15 - 25mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	275 (1890)	—
1.25 - 1.5" (32 - 40mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	275 (1890)	—
2" (50mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	275 (1890)
	DR-40B-SP35-R	DR-40B-SP35-D	125 (860)	—
	DR-85B-SP35-R	DR-85B-SP35-D	275 (1890)	—
2.5" (65mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	175 (1210)
	DR-85B-SP60-R	DR-85B-SP60-D	—	275 (1890)
	DR-85B-SP35-R	DR-85B-SP35-D	275 (1890)	—
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	75 (520)
	DR-85B-SP60-R	DR-85B-SP60-D	—	275 (1890)
	DR-85B-SP35-R	DR-85B-SP35-D	225 (1550)	—

PEC Eccentric Plug Valves

Resilient Plug, Resilient Seat

Direct Pressure (CIS or DIS)

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	75 (520)
	DR-85B-SP60-R	DR-85B-SP60-D	—	275 (1890)
	DR-85B-SP35-R	DR-85B-SP35-D	225 (1550)	—

Resilient Plug, Resilient Seat

Reverse Pressure (CIS or DIS)

Valve Size	Actuator Code		Max. Shutoff Pressure Differential	
			Air Supply psi (kPa)	
	Spring-to-Close	Spring-to-Open	35 (240)	60 (410)
3" (80mm)	DR-40B-SP60-R	DR-40B-SP60-D	—	50 (345)
	DR-85B-SP60-R	DR-85B-SP60-D	—	275 (1890)
	DR-85B-SP35-R	DR-85B-SP35-D	100 (690)	—

Sales and Service

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

Web Site: DeZURIK.com E-Mail: info@DeZURIK.com



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DeZURIK, Inc. 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, Inc. Certified drawings are available upon request.