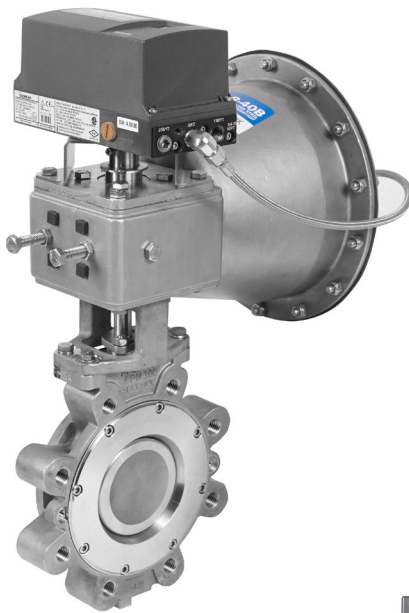


# DEZURIK ROTARY DIAPHRAGM ACTUATORS SIZING SHEETS



# 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)	—	—
DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—	
8" (200mm)	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)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
DR-250A-SP20-R*	DR-250A-SP20-D*	100 (690)	—	—	
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	—	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*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	250 (1720)	—
DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—	
12" (300mm)	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)	—	—
DR-250A-SP35-R*	DR-250A-SP35-D*	—	740 (5150)	—	
DR-250A-SP20-R*	DR-250A-SP20-D*	300 (2070)	—	—	
8" (200mm)	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*	—	—	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)	—	—	
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	—	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)	—
DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—	
12" (300mm)	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

# 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)	—	—
8" (200mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	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)	—
10" (250mm)	DR-145A-SP20-R*	DR-145A-SP20-D*	150 (1030)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	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)	—
12" (300mm)	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)	—	—
	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)
14" (350mm)	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)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
16" (400mm)	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)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	50 (350)
18" (450mm)	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)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	—	—	50 (350)
20" (500mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	200 (1380)
	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)	—
	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	—	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)	—	—
10" (250mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
	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)	—
12" (300mm)	DR-145A-SP20-R*	DR-145A-SP20-D*	50 (350)	—	—
	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)	—
14" (350mm)	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)	—	—
	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)	—
16" (400mm)	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	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	200 (1380)
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	50 (350)	—
18" (450mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (690)
	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*	—	—	200 (1380)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	100 (690)	—
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 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)	—
	DR-40B-SP60-R	DR-40B-SP60-D	—	—	50 (350)
6" (150mm)	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)	—	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	—	285 (1960)
8" (200mm)	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)
	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)
	DR-250A-SP35-R*	DR-250A-SP35-D*	450 (3100)	—
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*	—	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)	—
8" (200mm)	DR-145A-SP35-R*	DR-145A-SP35-D*	740 (5100)	—
	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)	—
10" (250mm)	DR-145A-SP35-R*	DR-145A-SP35-D*	740 (5100)	—
	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)
4" (100mm)	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
	DR-40B-SP60-R	DR-40B-SP60-D	—	285 (1960)
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
4" (100mm)	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
	DR-40B-SP60-R	DR-40B-SP60-D	—	285 (1960)
	DR-85B-SP60-R	DR-85B-SP60-D	—	740 (5100)
6" (150mm)	DR-85B-SP35-R	DR-85B-SP35-D	740 (5100)	—
	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)	—
8" (200mm)	DR-145A-SP35-R*	DR-145A-SP35-D*	650 (4470)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	740 (5100)	—
	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)	—
10" (250mm)	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)	—
	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)	—
12" (300mm)	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)	—
	DR-85B-SP60-R	DR-85B-SP60-D	—	50 (350)
	DR-125-SP60-R	DR-125-SP60-D	—	150 (1030)
12" (300mm)	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)	—
	DR-125-SP60-R	DR-125-SP60-D	—	150 (1030)

\* 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-250A-SP60-R*	DR-250A-SP60-D*	—	50 (350)	—
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	—	285 (1960)
20" (500mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	200 (1380)	—
	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)
24" (600mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	125 (860)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	25 (170)	—	—
28-30" (700-750mm)	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)	—
28-30" (700-750mm)	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)

\* 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)	—	—
6" (150mm)	DR-85B-SP60-R*	DR-85B-SP60-D*	—	—	285 (1960)
	DR-125-SP35-R*	DR-125-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
8" (200mm)	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*	—	75 (520)	—
	DR-145A-SP35-R*	DR-145A-SP35-D*	—	285 (1960)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	285 (1960)	—	—
10" (250mm)	DR-125-SP60-R*	DR-125-SP60-D*	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	285 (1960)	—
12" (300mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	75 (520)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	285 (1960)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
14" (350mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	25 (170)
	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)	—	—
10" (250mm)	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
	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)	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	125 (860)	—	—
16" (400mm)	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)	—
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)
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)	—
6" (150mm)	DR-145A-SP20-R*	DR-145A-SP20-D*	740 (5100)	—	—
	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)	—
8" (200mm)	DR-145A-SP20-R*	DR-145A-SP20-D*	400 (2760)	—	—
	DR-250A-SP20-R*	DR-250A-SP20-D*	740 (5100)	—	—
	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)	—
10" (250mm)	DR-145A-SP20-R*	DR-145A-SP20-D*	200 (1380)	—	—
	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	—	—	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)	—
12" (300mm)	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)	—	—
	DR-125-SP60-R	DR-125-SP60-D	—	—	100 (690)
	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	275 (1890)
14" (350mm)	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)	—	—
16" (400mm)	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)	—
18" (450mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	50 (350)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	175 (1210)
20" (500mm)	DR-250A-SP35-R*	DR-250A-SP35-D*	—	25 (170)	—
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	125 (860)
	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)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	350 (2410)	—
12" (300mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	75 (520)
	DR-250A-SP60-R*	DR-250A-SP60-D*	—	—	400 (2760)
	DR-250A-SP35-R*	DR-250A-SP35-D*	—	50 (350)	—
14" (350mm)	DR-145A-SP60-R*	DR-145A-SP60-D*	—	—	25 (170)
	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

# 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:

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