

Butterfly valves

Wafer Centric Resilient type

PN10/PN16/PN25

REEP brand RBV157 model ductile iron butterfly valve, wafer type with centric disc, one piece shaft supported by bronze radial bearings for smooth operation, rubber lined body. The rubber liner is vulcanized integrally to body and bearings ensuring reduced torque and a long lifetime. This liner extends along the valve faces, eliminating the use of gaskets. The body with centering holes for easy pipe alignment is suitable for mounting between flanges according to DIN PN 10/16 and ASME 150#. Face to face dimensions are according to ISO5752/EN558 basic series 20, API 609, DIN 3202 K1 and BS 5155. For easy adaption of both manual and automatic actuators the valve is executed with a top flange according to ISO 5211 standard. WRAS and NSF certified coating & rubber are available upon request. Also available on Lead-Free by special instructions.

Material Specification

Component	Material	EN and/or (DIN/ASTM)
Body	Ductile Iron	400-15 (GGG40/65-45-12)
Disc	Ductile Iron	400-15 (GGG40/65-45-12)
Disc	Stainless Steel	CF8/CF8M/4A/5A
Disc	Aluminium Bronze	C95400/C95800
Liner	EPDM/NBR/FKM/PTFE	
Stem	Stainless Steel	A276 SS410/431
O-ring	EPDM/NBR/FKM	

Options

- Other materials, pressure rating, flange connection and larger sizes.
- Available with EN 10204.3.1 certificate
- Manual, Pneumatic, electric or hydraulic actuator, see actuator section
- series 157 butterfly valves can be used for maritime systems for media such as (ballast) water, gases, hydrocarbons and light corrosive media up to a maximum of 16 bar (PN 16 execution).

Pressure and temperature range

Size	Liner	Pressure rating	Temperature range	Max. operating	
DN40-DN1200	NBR or EPDM	PN 16	NBR -10°/+80 °C, EPDM -10°/+120 °C	16	[bar]
DN40-DN300	NBR or EPDM	PN 25	NBR -10°/+80 °C, EPDM -10°/+120 °C	25	[bar]
DN40-DN1200	FKM	PN 16	-10°/+180 °C	16	[bar]
DN40-DN600	PTFE	PN 10	-10°/+200 °C	10	[bar]

Ordering information

Ordering code	DN [mm]	Flange Drilling	Type
RBV157A/158A/167A	40 - 1200	PN10/PN16/ANSI150	Shaft with pin OP
RBV157B/158B/167B	40 - 1200	PN10/PN16/ANSI150	Double Shaft OP
RBV157C/158C/167C	40 - 300	PN10/PN16/ANSI150	Splined Shaft OP
RBV157X/158X/167X	SPECIFIC CUSTOM MADE		

Dimensions

DN	L	H	W	DN	L	H	W
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
40	33	110	68	600	151	562	468
50	42	161	80	650	172	540	484
65	45	175	89	700	165	626	530
80	45	181	95	750	167	660	565
100	51	200	114	800	188	666	602
125	55	213	127	900	203	722	661
150	55	226	139	1000	216	806	724
200	60	260	175	1200	276	938	869
250	67	292	203				
300	76	337	242				
350	76	368	267				
400	102	400	316				
450	114	422	334				
500	127	480	370				
550	151	562	468				

REEP



- Fig. RBV157 (Bonded liner)
RBV158 (Replaceable liner without backing)
RBV167 (Replaceable liner with backing)

- DN 40 - 1200
- Pressure rating PN 10 - 16 - 25
- Face To Face EN 558-1, series 20
- Various materials available
- Various actuation available
- Custom made available

