

CONCENTRIC RUBBER LINED BUTTERFLY VALVES

PRODUCT DESIGN DATA

Description	BUTTERFLY VALVE Concentric Rubber Lined
Design Code	API 609 / EN593
Size Range	NPS 1½" - 48" / DN 40- 1200
Maximum Pressure /Rating	IVGK / IVTL 20 bar 150# IVDF 16 bar PN16
Design Temperature	-40°C to +180°C
Seat Leakage	Bubbletight EN12266-1 rate A/ Bi-directional
End Connections	Wafer / Lug / Double Flanged
Face to Face	API609 Cat A Table 2 & 3C
Body Seat	IVGK - Replaceable / Bonded IVTL / IVDF - Bonded to body



Intervolve-IVGK
Wafer Concentric



Intervolve-IVTL
Lugged Concentric



Intervolve-IVDF
Double Flanged Concentric

MATERIALS OF CONSTRUCTION

BODY									
Ductile Iron / Cast Iron	GGG40, GG25								
Carbon Steels inc. Low Temp	WCB, LCB, LCC								
Austenitic/ Super Austenitic Stainless steels	CF8, CF8M, CF3M, 6MO								
Copper alloys	Aluminium bronze								
Duplex/Super Duplex alloys (1A-6A)	CD3MWCuN, CD4MCuN								
Superalloys	Hastelloy® B, C, Inconel								
Nickel alloys	Monel®, Alloy 20								
Others upon request									
SHAFT	AISI 410, AISI316, 17-4Ph, Monel® K500, UNS32760, Titanium								
SEAT	Nitrile, EPDM, Viton, Hypalon, Silicone, Neoprene								
APPROVALS	<table border="1"> <tr> <td>API609</td> <td>ATEX</td> </tr> <tr> <td>API 598</td> <td>PED – Category III</td> </tr> <tr> <td>ASME B16.34</td> <td>NACE</td> </tr> <tr> <td>BS EN593</td> <td>DOT RULE 54B</td> </tr> </table>	API609	ATEX	API 598	PED – Category III	ASME B16.34	NACE	BS EN593	DOT RULE 54B
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CERTIFICATION	EN 10204 – 2.2/3.1/3.2								