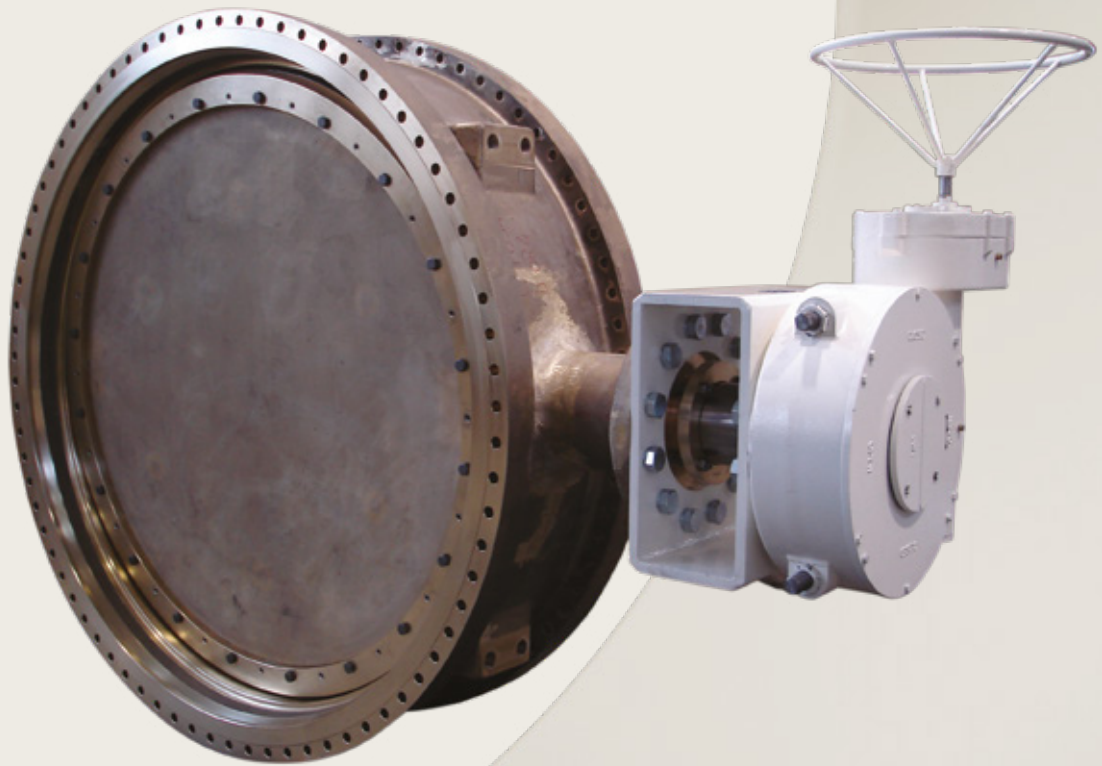


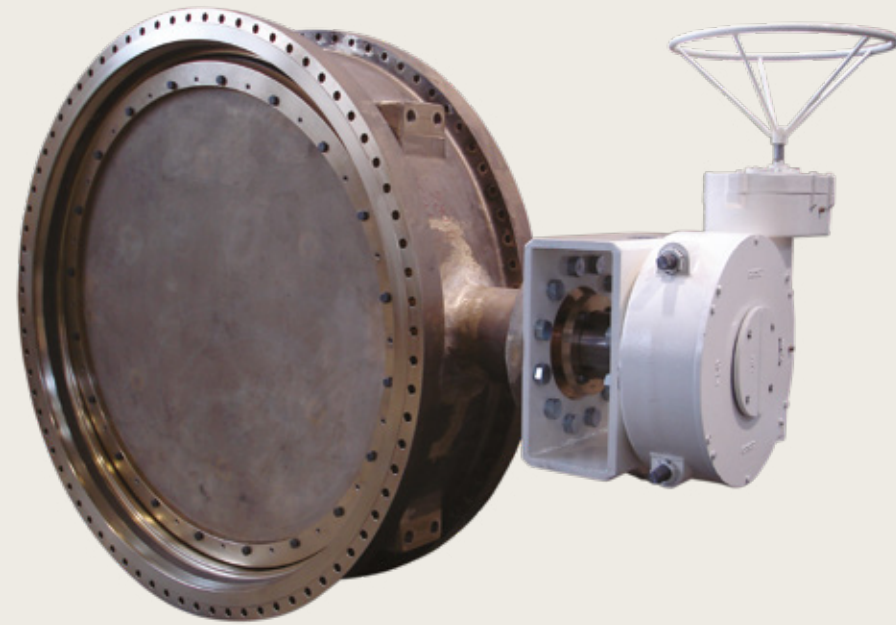


Process Automation

IMI Orton



Breakthrough
engineering for
a better world



VF Series

Double Eccentric Soft Seated, Butterfly Valves

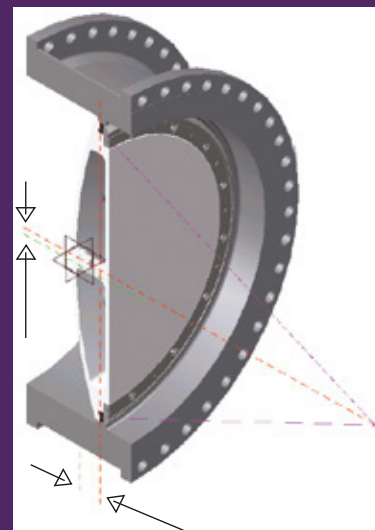
Our VF Series valves are specified worldwide for their unique combination of shut-off, control and reliability features, together with their compactness and fitness for purpose in critical tight shut-off isolation duties and combined isolation / non-return applications.

Key features

- Fully rated up to 20 bar
- Double eccentric
- Zero leakage, bi-directional tight shut-off
- Uninterrupted seating
- Interchangeable and adjustable seal ring
- Disc mounted rubber seal ring
- Self-cleaning seat
- Shaft protected from aggressive media
- Welded, bolted or integral seat
- Self-lubricating bearings
- Corrosion resistant shaft bushing
- Adjustable and replaceable packing
- Rubber vulcanized or epoxy lined body

Second eccentricity

First eccentricity

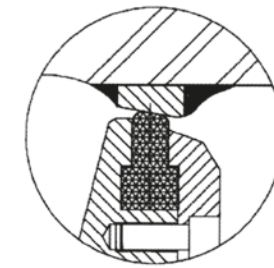


Find out more
www.imiplc.com

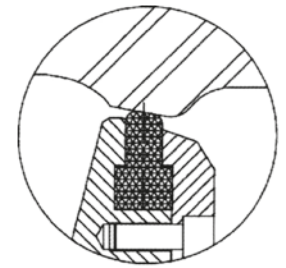
Benefits

The VF Series design is based on the double eccentric concept which minimizes the contact between seal and seat and thereby enhances the valve performance, reduces maintenance and extends the valve life. These features make the VF Series ideally suited to medium to large size pipeline valves where maintenance costs and cost of ownership need to be kept to a minimum.

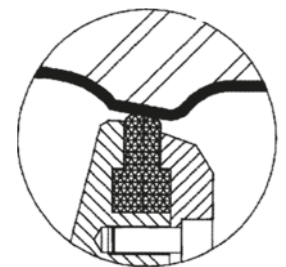
- One-piece cast or fabricated body
 - Ultimate rigidity
 - Leak free performance
 - Uninterrupted flange sealing surface
- Conical centred seat (all types)
 - Corrosion resistant to effects of pipeline media
- Heavy 'T' section seal ring
 - Allows for full tight shut-off at pressures up to 25 bar
- Adjustable compression allows for sealing at differing pressure values
- Hydro-dynamically efficient disc
 - Improves flow capability
 - Reduces pressure drop and dynamic torque
- Special bushings prevent contamination entering or solid particles, creating a longer service life



Welded body seat



Integral body seat



Rubber vulcanized body seat

Typical applications

- Water transportation
- Sea water
- Geothermal water
- Fire fighting
- Brine
- Desalination plant
- Demineralisation of water

Product specification and dimensions

Materials
Ductile iron
Carbon steel
Stainless steel
Aluminium bronze
High alloy
Titanium

Production range
Nominal diameter 2" – 160"
(4000mm)

Temperature limits
From -20°C (-4°F) up to +150°C
(+302°F)

Pressure limits
From full vacuum – up to +25 bar
(355 psi)

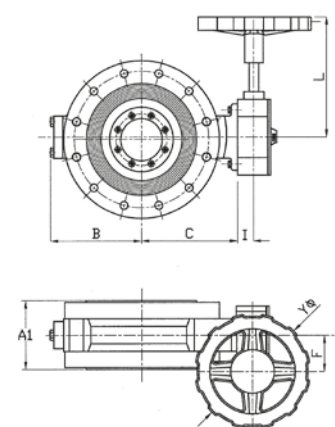
Applicable standards
Design: ANSI B16.34 / ASME VIII / API 609
Face to face: API 609 / ISO 5752

Double flanged connection: B16.5/
B16.47 / ASME VIII / DIN / ISO /
AWWA
Testing: API 598

Rating
DN 6-10 - 1 6-25
ANSI Cl. 150

Model VFF: Double Flanged (Class 150) dimensions

ND (mm)	ND (inches)	Face to face (mm)		Other dimensions (mm)				Y	F	Weight (kg)
		A1	B	C	L	I				
80	3"	114	130	141	200	43		200	68	27
100	4"	127	142	154	200	43		200	68	31
125	5"	140	161	165	200	43		200	68	40
150	6"	140	173	177	200	43		200	68	49
200	8"	152	214	202	200	43		200	68	75
250	10"	165	248	260	200	43		200	68	106
300	12"	178	283	295	230	50		300	99	138
350	14"	190	314	322	230	50		300	99	182
400	16"	216	360	383	330	48		500	88	230
450	18"	222	394	414	440	55		600	104	287
500	20"	229	436	452	440	55		600	104	362
600	24"	267	504	513	430	59		600	104	510
700	28"	292	573	582	482	65		600	155	730
750	30"	318	630	662	482	65		600	155	846
800	32"	318	658	690	517	80		600	217	970
900	36"	330	740	764	529	80		600	217	1205
1000	40"	410	790	810	603	96		700	293	1543
1050	42"	410	820	835	603	96		700	293	1708
1200	48"	470	910	933	603	96		700	293	2281
1300	52"	530	970	1000	603	96		700	293	2717
1400	56"	530	1025	1047	603	96		700	320	3196
1500	60"	600	1070	1098	950	130		700	440	3721
1600	64"	600	1120	1152	990	130		700	440	4293
1700	68"	670	1180	1212	990	130		700	440	4913
1800	72"	670	1250	1281	990	130		700	440	5582
1900	76"	760	1310	1349	990	130		700	440	6303
2000	80"	760	1370	1408	990	130		700	440	7075



Other body styles available
Double flanged
Wafer
Lugged



Maroc Sealing
FLUID CONTROL



92, Lot Mauritanie - Zone Industrielle Bernoussi
Casablanca MAROC 20590



www.marocsealing.com



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