water heating

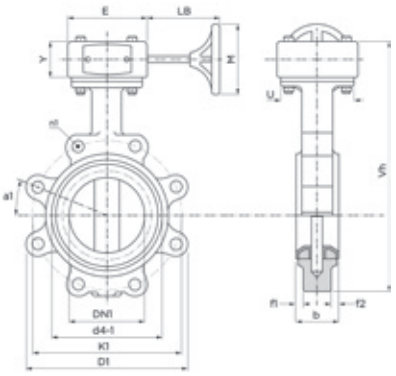
V905G Butterfly valve (2 x flange)

specification

- all sizes rated PN16
- stainless steel disc and stem
- quarter turn operation
- geared
- ductile iron body
- EPDM liner
- fully lugged to BS EN 593:2004
- face to face dimension to BS EN 558:2008

DN	Connection	Code	Weight (kg)	Cv	Kv
DN200	8"	15298	27.80	3003.9	2687.2
DN250•	10"	15306	42.00	6984.3	6247.8
DN300•	12"	15307	67.00	10790.3	9652.5
DN350	14"	15299	80.00	11415.5	10211.7
DN400	16"	15294	120.00	15698.2	14042.8
DN450	18"	15295	148.00	20791.5	18599.0
DN500	20"	15296	214.00	26733.4	23914.3
DN600	24"	15297	295.00	41301.4	36946.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.
•WRAS approved



Dimensions (mm)

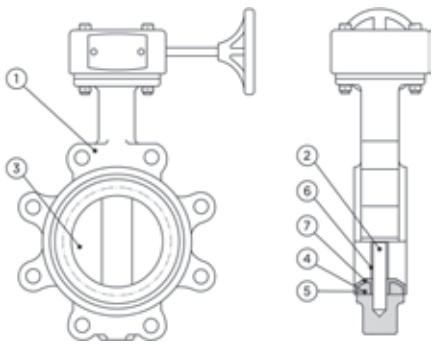
	a1	b	d4-1	D1	DN1	E	f1/f2	k1	LB	M	n1	U	Vh	Y
DN200	30.0	68.0	265.0	406.0	DN200	146.0	3.0	355.0	152.0	285.0	12.0	161.0	677.0	120.0
DN250	30.0	70.0	302.0	400.0	DN250	155.0	3.0	340.0	150.0	285.0	12.0	161.0	698.0	120.0
DN300	30.0	78.0	370.0	440.0	DN300	165.0	4.0	410.0	150.0	285.0	12.0	161.0	761.0	120.0
DN350	30.0	78.0	415.0	455.0	DN350	165.0	4.0	470.0	150.0	285.0	16.0	161.0	847.0	120.0
DN400	30.0	102.0	470.0	632.0	DN400	247.0	6.0	650.0	213.0	397.0	16.0	161.0	970.0	120.0
DN450	30.0	114.0	518.0	672.0	DN450	247.0	6.0	585.0	213.0	397.0	20.0	161.0	1012.0	120.0
DN500	30.0	127.0	568.0	740.0	DN500	357.0	8.0	650.0	246.0	397.0	20.0	161.0	1120.0	120.0
DN600	30.0	127.0	680.0	780.0	DN600	357.0	8.0	694.0	246.0	420.0	20.0	161.0	1200.0	120.0

Material specification

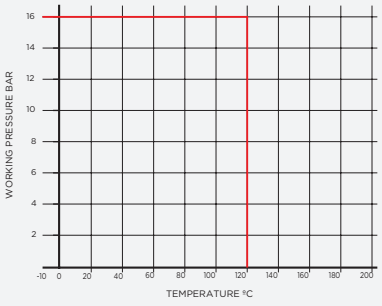
Nr	Component	Material
1	Body	Ductile iron
2	Shaft	Stainless steel
3	Disc	Stainless steel
4	Bushes up to 100mm	PTFE
5	Bushes up to 125mm	Bronze (Gunmetal)
6	"O" ring	EPDM
7	Liner	EPDM

Maximum pressure conditions

Size	Max Pressure (bar)	Min/Max Temperature (°C)	Test Pressure Shell (bar)	Test Pressure Seat (bar)	Max Pressure (psi)	Min/Max Temperature (°F)	Test Pressure Shell (psi)	Test Pressure Seat (psi)
DN200 to DN600	16.0	- 10°C + 120°C	24.0	17.5	232.1	14°F + 248°F	348.1	253.8



Pressure equipment directive category

All sizes classified SEP

Pressure & temperature ratings