1070/125 Gate valve (2 x female thread)

steam water oil



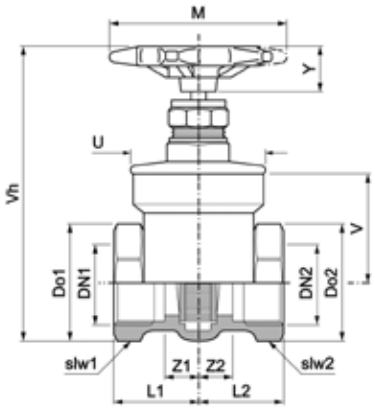


specification

- BS5154 PN20 series B
- non-rising stem
- high quality lubricated packing
- ½" to 4" sizes
- bronze (gunmetal) wedge
- can be re-packed under pressure
- bronze (gunmetal) body
- ISO7-1Rc taper thread BS EN 10226
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)

DN	Connection	ISO7-1 Rc (taper)	ANSI (NTP) (taper)	ISO7-Rc (Lockshield)	Total (kg)	Cv	Kv
DN15	½"	103007	103047	103057	0.32	16.4	14.0
DN20	¾"	103008	103048	103058	0.46	37.4	32.0
DN25	1"	103009	103049	103059	0.69	66.7	57.0
DN32	1 ¼"	103010	103050	103060	1.03	105.3	90.0
DN40	1 ½"	103011	103051	103061	1.40	150.9	129.0
DN50	2"	103012	103052	103062	2.28	209.1	230.0
DN65	2 ½"	103013	103053		3.68	500.8	428.0
DN80	3"	103014	103054		5.42	795.6	680.0
DN100	4"	103015	103055		10.59	1273.0	1088.0

*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.



Dimensions (mm)

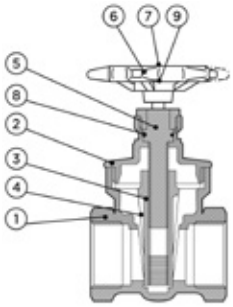
	Do1/D02	DN1/DN2	L1/L2	M	slw1	slw2	slw3	U	V	Vh	Y	Z1/Z2
DN15	34.0	½"	26.0	62.0	29.0	15.0	29.0	38.0	66.0	102.0	11.0	16.0
DN20	40.0	¾"	28.0	67.0	35.0	17.0	35.0	43.0	72.0	115.0	12.0	17.0
DN25	46.0	1"	33.0	78.0	40.0	20.0	40.0	50.0	82.0	133.0	14.0	20.0
DN32	55.0	1 ¼"	37.0	87.0	48.0	24.0	48.0	58.0	92.0	153.0	16.0	22.0
DN40	65.0	1 ½"	38.0	91.0	56.0	28.0	56.0	66.0	101.0	178.0	18.0	23.0
DN50	78.0	2"	45.0	108.0	67.0	34.0	67.0	78.0	117.0	209.0	20.0	27.0
DN65	96.0	2 ½"	51.0	122.0	83.0	42.0	83.0	95.0	137.0	253.0	20.0	31.0
DN80	115.0	3"	57.0	136.0	100.0	50.0	100.0	111.0	156.0	298.0	20.0	34.0
DN100	140.0	4"	67.0	160.0	121.0	61.0	121.0	134.0	185.0	360.0	20.0	40.0

Material specification

Nr	Component	Material
1	Body	Bronze (Gunmetal)
2	Bonnet	DZR brass
3	Stem	Brass bar
4	Wedge	DZR brass
5	Gland nut	Brass bar (½" to 1") Forged brass (1 ¼" to 4")
6	Handwheel	Aluminium
7	Handwheel nut	Brass bar
8	Gland packing	EPDM
9	Rating disc	Aluminium

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)
½" to 4"	20.0	- 10°C + 180°C	30.0	22.0	290.1	14°F + 356°F	435.1	319.1



Pressure equipment directive category

All sizes classified SEP

Pressure & temperature ratings

