

CRYOGENIC THREADED GATE VALVE TYPE 01355

Material stainless steel 1.4308
Pressure PN 50

TECHNICAL DESCRIPTION

Cryogenic shut-off and check valves, PN50

- stainless steel body and cover
- pre-stressed gland
- cleaned and degreased for oxygen operation

thread (G) according to ISO 228/1

- Part No. 01355.X.0001 valves
- Part No. 01355.X.5001 check valves

thread type NPT acc. to ANSI B 1.20.1

- Art. No. 01355.X.0006 valves
- Art. No. 01355.X.5006 check valves

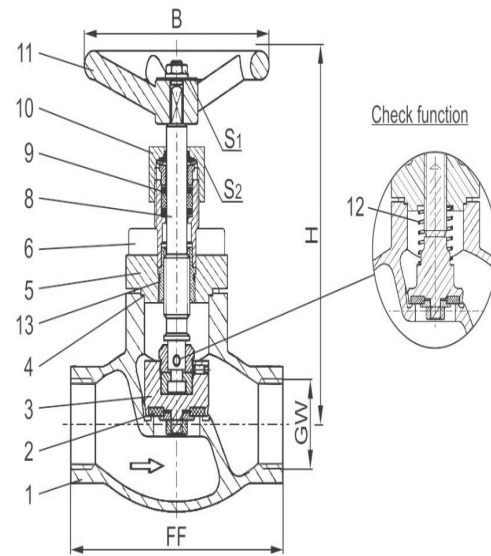
WORKING FLUID / MEDIUM

Approved for gases, vapors and liquefied cryogenic gases and LNG.

OPTIONS

- thread (R) according to ISO 7-Rc
- control valve (with threaded connection)

Dimensions: G1/4" - 2"



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No.	Materials	DIN EN	ASTM		
1	Body	1.4308	A 351 CF8		
2	Saddle	Teflon PTFE / graphite filler (25%)			
3	Valve	1.4301	A276 Grade 304		
4	Lid gasket	Teflon PTFE			
5	Upper part	1.4301 / 1.4308	A276 Grade 304 / A351 CF8		
6	Bolts	1.4301/A2	A 194 B8		
8	Spindle	1.4301	A276 Grade 304		
9	Salnikov condensed.	graphite / Teflon PTFE			
10	Packing nut	1.4305	A 276 Grade 303		
11	Flywheel	aluminum alloy			
12	Spring	1.4310	A 313 Grade 301		
13	Bushing	CW452K	B159 UNS C51900		

SPECIFICATION	
Type 01355	cryogenic valve PN 50
Connection ends	threaded according to ISO 228/1
	threaded NPT according to ANSI B 1.20.1
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	threaded
Drive	independently
Working temp. [°C]	-196 °C / -321 °F
	up to +120 °C / +248 °F

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DN	Thread size (GW)	Size code (.X.)	Construction length (FF)	Height (H)	Flywheel Ø (B)	Hex size (S1)	Hex size (S2)	Weight (kg)	Kvs (m³/h)	Cv (gal/min)
10	1/4	0200	70	140	100	7	30	1.0	1.6	1.9
10	3/8	0300	70	140	100	7	30	1.0	2.2	2.6
15	1/2	0400	85	140	100	7	30	1.3	4.3	5.0
20	3/4	0600	100	140	100	7	30	1.7	6.7	7.8
25	1	1000	115	140	100	7	30	2.0	11.5	13.4
40	1-1/4	1200	130	175	125	10	36	4.2	20.6	23.9
40	1-1/2	1400	130	175	125	10	36	4.2	22.6	26.3
50	2	2000	155	200	125	10	36	6.7	37.1	43.2