

Gate Valves

Type 09440 - Gate valve



Cryogenic-Gate Valves, PN50

Stainless steel body and topwork,
one way tightening (in flow direction),
"live loaded" gland packing
"cleaned and degreased for oxygen service"

Part No. 09440.X.0121

Male thread for union connection

Available options - on request only:

· other connections are in preparation



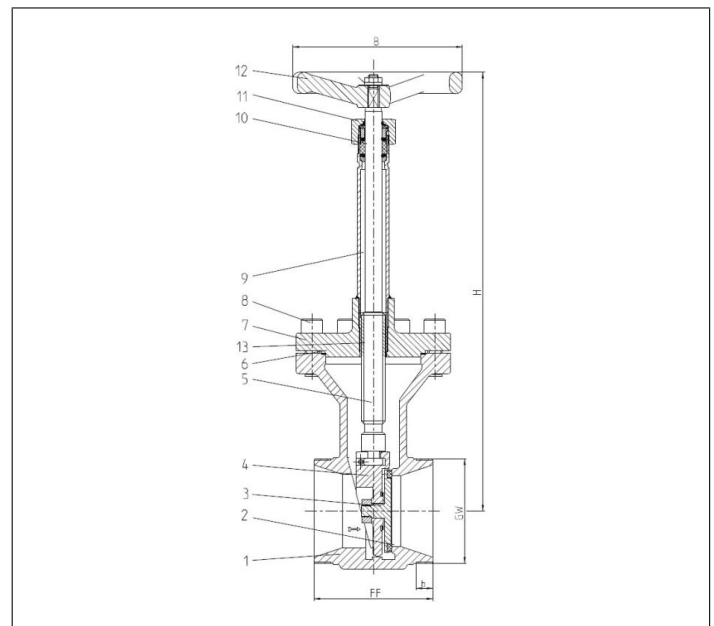
Applications:

Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.

Working temperature: -196°C / -321°F (77K) up to +120°C / +248°F (393K)

Materials	DIN EN	ASTM
1 Body	1.4308	A 351 CF8
2 Valve seal	PTFE / Carbon filled (25%)	
3 Disc	CW452K	B 159 UNS C51900
4 Wedge	1.4308	A 351 CF8
5 Stem	1.4301	A 276 Grade 304
6 Bonnet gasket	PTFE	
7 Headpiece	1.4301	A 276 Grade 304
8 Bolts	1.4301/A2	A 194 B8
9 Elongation tube	1.4541	A 213 TP 321
10 Gland packing	Graphite / PTFE	
11 Gland nut	1.4305	A 276 Grade 303
12 Handwheel	Aluminium alloy	
13 Bush	CW452K	B 159 UNS C51900

Standard marking acc. to Pressure Equipment
Directive 97/23/EC (PED).



Type 09440 - Standard design	Technical data				
Nominal size	DN	25	40	50	65
Thread size	GW	1	1-1/2	2	2-1/2
Dimension code	.X.	0250	0400	0500	0650
Face-to-face dimension	FF	133	133	110	110
Height	H	330	360	410	440
Thread type (G- / M-thread)	b	- / M40x2	G2 / M65x2	G2-1/2 / M78x2	G3 / M88x2
Handwheel-Ø	B	125	125	150	150
Weight	ca. kg	3.3	4.8	7.5	8.6
Kvs - Value	m ³ /h	43	93	125	283
Cv - Value	gal/min	51	111	149	337

Dimensions in mm. * o.r.= on request

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Stainless steel body and topwork,
one way tightening (in flow direction),
"live loaded" gland packing
"cleaned and degreased for oxygen service"

Part No. 09440.X.002*

Completed with union type butt weld fittings for stainless steel pipes
acc.to ISO 1127 or ASTM A312

Available options - on request only:

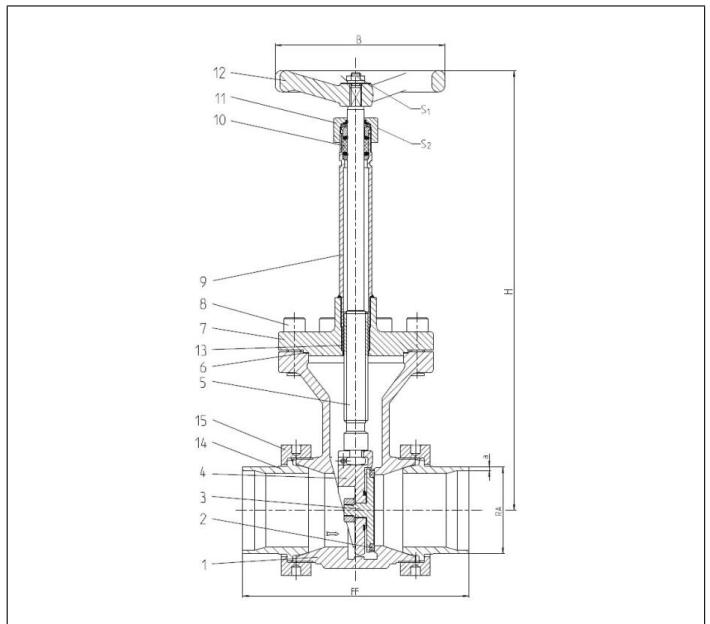
- other connections are in preparation



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4 Wedge	1.4308	A 351 CF8
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6 Bonnet gasket	PTFE	
7 Headpiece	1.4301	A 276 Grade 304
8 Bolts	1.4301/A2	A 194 B8
9 Elongation tube	1.4541	A 213 TP 321
10 Gland packing	Graphite / PTFE	
11 Gland nut	1.4305	A 276 Grade 303
12 Handwheel	Aluminium alloy	
13 Bush	CW452K	B 159 UNS C51900
14 Weld fitting	1.4301	A 276 Grade 304
15 Union nut	1.4301	A 276 Grade 304



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 09440 - Standard design	Technical data						
Nominal size	DN	25	40	50	65	80	100
Dimension code	.X.	2533	4048	5060	657x	8088	0114
Face-to-face dimension	FF	133	133	110	110	110	130
Height	H	330	360	410	440	450	570
Outsid pipe-Ø ISO 1127	RA	33.7	48.3	60.3	76.1	88.9	114.3
Wall thickness pipe ISO 1127	a	2.0	2.0	2.0	2.6	3.2	3.2
Outsid pipe-Ø ASTM A312	RA	33.40	48.26	60.33	73.03	88.90	114.3
Wall thickness pipe ASTM A312	a	dimensions acc. to S10 or S40					
Handwheel-Ø	B	125	125	150	150	150	200
Weight	ca. kg	3.3	4.8	7.5	8.6	11.4	21.8
Kvs - Value	m ³ /h	43	93	125	283	310	792
Cv - Value	gal/min	51	111	149	337	369	943

Dimensions in mm.

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