



ARI-STOBU® PN63-PN160

Stop Valve with Gland Seal

Fig. 006

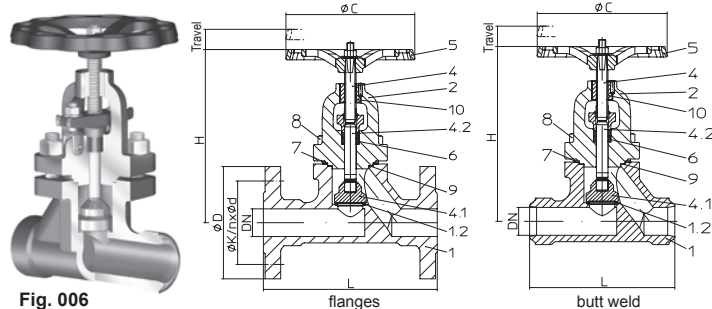


Fig. 006

Selection of possible applications

Industry, steam boilers, mechanical engineering and construction / piping, chemical industry, power plants, such as combined cycle, CHP, incineration, waste to energy, bio energy, etc. (other applications on request)

Selection of possible flow media

Steam, gases, liquids, etc.
(other flow media on request)

Features:

- Proven technology
- Seat stellited
- High-tensile gland packing
- Bonnet top with threaded bushing
- Inside and outside chambered bonnet gasket
- Plug hardened/stellited
- Rolled thread stem
- Burnished stem
- Pivot mounted bolts
- Back seat as standard

Figure	Nom. pressure	Material	Nom. diameter	Connection
48.006....40	PN63-160	1.0460	10-40	Flanges
46.006....40	PN63	1.0460	50	
48.006....40	PN100-160	1.0460	50	
88.006....81	PN63-160	1.7335	10-40	
86.006....81	PN63	1.7335	50	
88.006....81	PN100-160	1.7335	50	
48.005....40	PN160	1.0460	10-50	Butt weld
88.005....80	PN160	1.5415	10-50	
88.005....81	PN160	1.7335	10-50	
Butt weld ends acc. to DIN EN 12627				

Dimension

	DN	10	15	20	25	32	40	50
L : butt weld	(mm)	150	150	150	160	180	210	250
L : flanges	(mm)	210	210	230	230	260	260	300
H	(mm)	228	228	228	228	292	292	300
ØC	(mm)	180	180	180	180	225	225	225
Travel	(mm)	11	11	11	11	17	17	21
Kvs-value	(m³/h)	2.7	4.2	6.4	8.6	21.8	24.2	33
Zeta-value	--	2.19	4.58	6.24	8.43	3.52	6.98	9.16

Material

Pos.	Description	Fig. 46./48.006....40	Fig. 86./88.006....81	Fig. 48.005....40	Fig. 88.005....80	Fig. 88.005....81
1	Body	P250 GH, 1.0460	13CrMo4-5, 1.7335	P250 GH, 1.0460	16Mo3, 1.5415	13CrMo4-5, 1.7335
1.2	Seating	Stellite		Stellite		
2	Bonnet	P250 GH, 1.0460	13CrMo4-5, 1.7335	P250 GH, 1.0460	16Mo3, 1.5415	13CrMo4-5, 1.7335
4.1	Plug	X20Cr13+QT, 1.4021+QT (hardened)	13CrMo4-5, 1.7335 / Stellite	X20Cr13+QT, 1.4021+QT (hardened)	13CrMo4-5, 1.7335 / Stellite	
4.2	Stem	X20Cr13+QT, 1.4021+QT (burnished)	X39CrMo17-1+QT, 1.4122+QT (burnished)	X20Cr13+QT, 1.4021+QT (burnished)	X39CrMo17-1+QT, 1.4122+QT (burnished)	
5	Handwheel	EN-GJS-400-15, EN-JS1030 (FE 13epoxy-coating)			EN-GJS-400-15, EN-JS1030 (FE 13epoxy-coating)	
6	Packing ring *	Pure graphite			Pure graphite	
7	Stud	21CrMoV 5-7, 1.7709			21CrMoV 5-7, 1.7709	
8	Hexagon nut	21CrMoV 5-7, 1.7709			21CrMoV 5-7, 1.7709	
9	Gasket *	Pure graphite (CrNi laminated with graphite)			Pure graphite (CrNi laminated with graphite)	
10	Insert nuts	11SMn30+C, 1.0715+C (nitrided)			11SMn30+C, 1.0715+C (nitrided)	

Pressure Temperature Ratings

Material	PN		-10°C bis 50°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	
1.0460	63	(bar)	63	63	58	50	45	40	36	32	24	
1.0460	100	(bar)	100	100	90	80	70	60	56	50	38	
1.0460	160	(bar)	160	160	145	130	112	96	90	80	60	
Material	PN		-10°C bis 250°C	300°C	350°C	400°C	450°C	500°C	520°C	530°C	540°C	550°C
1.5415	63	(bar)	63	56	50	47	45	29	16	14	--	--
1.5415	100	(bar)	100	87	78	74	70	45	27	22	--	--
1.5415	160	(bar)	160	139	125	118	112	72	43	35	--	--
1.7335	63	(bar)	63	63	61	58	56	47	32	25	20	15
1.7335	100	(bar)	100	100	95	91	87	74	49	38	31	24
1.7335	160	(bar)	160	160	153	146	139	118	79	62	46	35

*last updated 10/16

