



NAVAL

Longstem ball valves



# NAVAL LONG STEM BALL VALVES

Naval long stem ball valves are type tested according to the EN488 standard and fulfill the requirements of this standard.

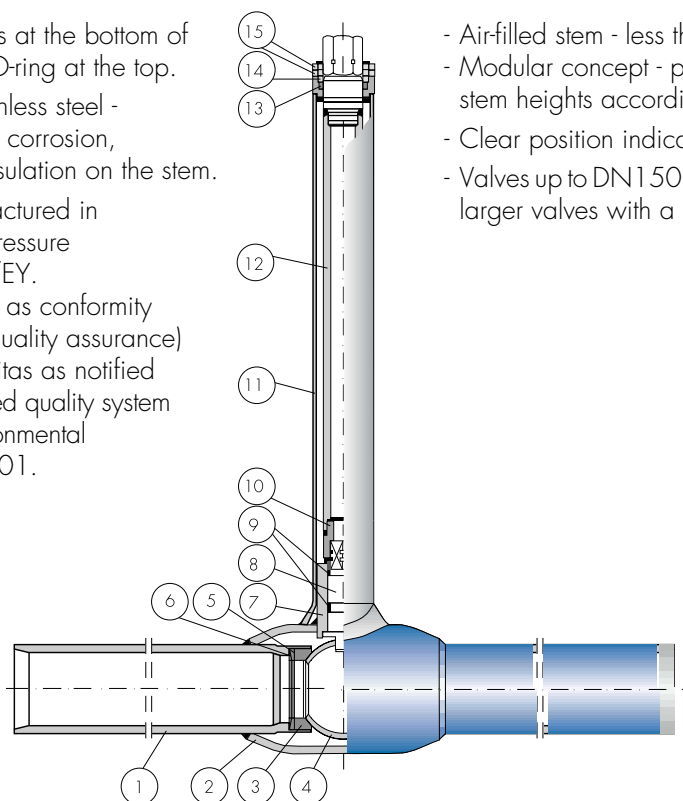
## CHARACTERISTICS:

- Double sealing - two O-rings at the bottom of the stem, one changeable O-ring at the top.
- Stem cover pipe fully of stainless steel - improved protection against corrosion, flexibility for the height of insulation on the stem.

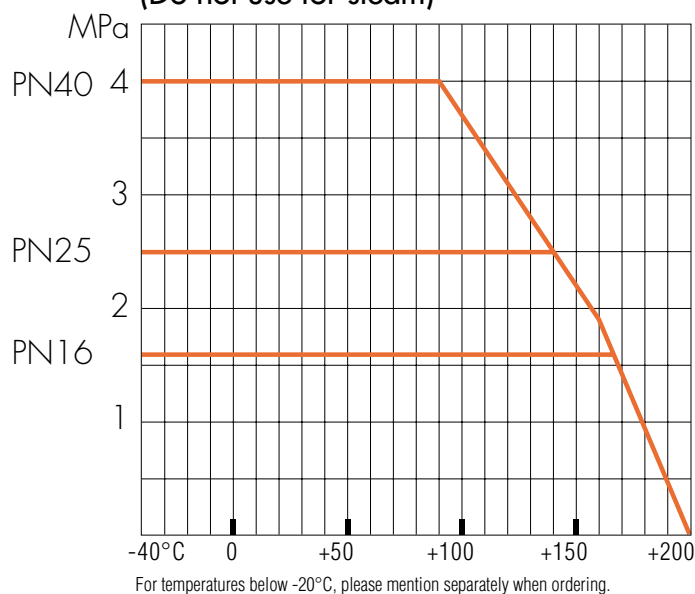
Naval ball valves are manufactured in accordance with European Pressure Equipment Directive 97/23/EY.

Naval Oy applies Module H as conformity assessment procedure (=full quality assurance) controlled by Det Norske Veritas as notified body. Naval Oy has a certified quality system ISO 9001 and certified environmental management system ISO 14001.

- Air-filled stem - less thermal dissipation
- Modular concept - possible to manufacture stem heights according to customer request.
- Clear position indicator
- Valves up to DN150 are operated with a T-key, larger valves with a portable planetary gear



Pressure/temperature curves  
(Do not use for steam)



## MATERIAL SPECIFICATION

ITEM	DESCRIPTION	MATERIAL	
1.	Welding end	Carbon steel	P235GH
2.	Body	Carbon steel	P235GH
3.	Seat ring	Teflon	PTFE+C
4.	Ball	Stainless steel	1.4301
5.	Support ring	Stainless steel	1.4016
6.	Bevel washer	Spring steel	
7.	Stem housing	Carbon steel	P355NH
8.	Stem	Stainless steel	1.4305
9.	O-ring	Viton	FPM
10.	Adapter	Carbon steel	
11.	Stem cover	Stainless steel	1.4301
12.	Extension pipe	Carbon steel	P235GH
13.	O-ring	Viton	FPM
14.	Bushing	Fluoroplastic	PTFE+C
15.	Stop collar	Chrome steel	1.4016



Flow Control Division

NAVAL OY, P.O.Box 32, FIN-23801 Laitila, FINLAND,  
tel. +358-2-85 091, fax +358-2-856 506,  
e-mail: naval@naval.fi, www.naval.fi