



Fabryka Armatur  
„Głucholazy” S.A.

## Check valve with butt-welding ends in straight form

Cat. no. 444S

- 444SWM- for marine service
- 444AS - for stainless steel (DN 15 ÷ 25)

ND 15 ÷ 50 / PN 4,0 MPa / Tmax=450°C\*

Issued in

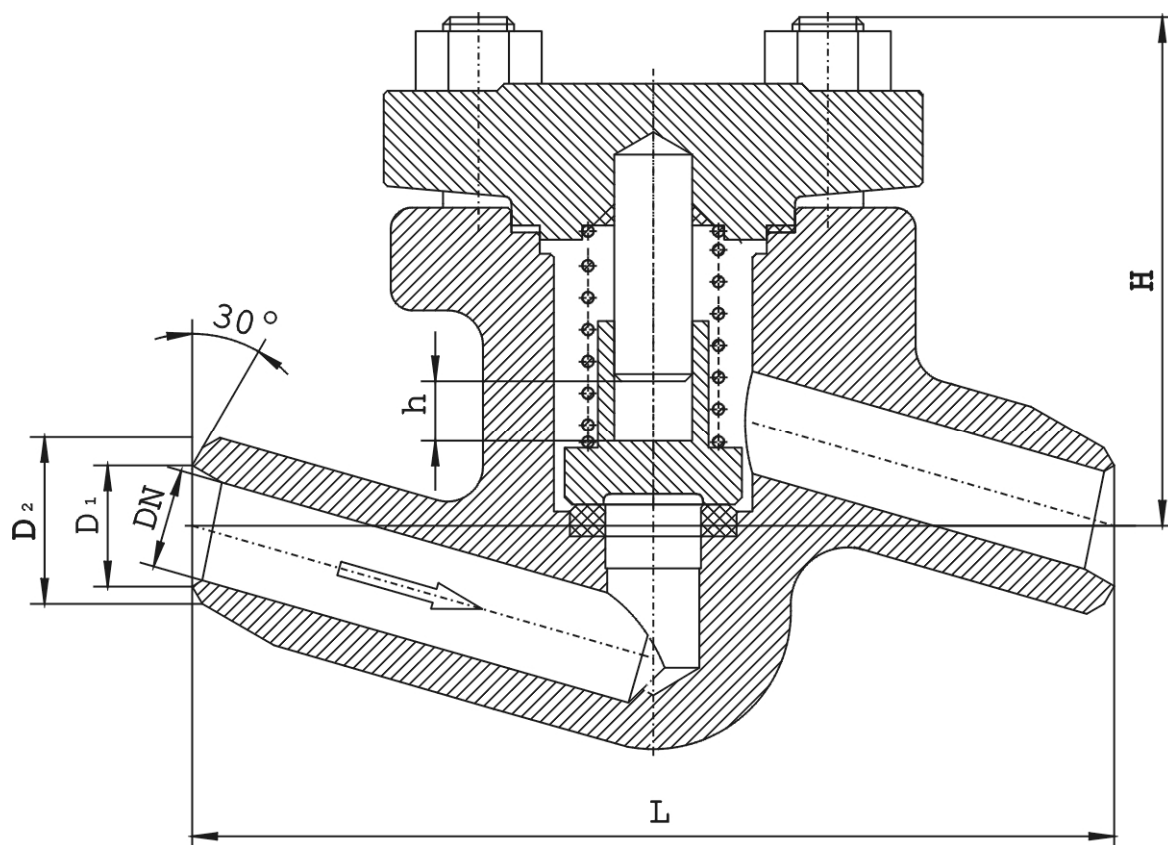
2010

Issue no.

V

Cat. leaflet no.

026



### Dimensions:

ND	D <sub>1</sub>	D <sub>2</sub>	L	H	h	Weight
mm						kg
15	17	22	130	56	7	1,3
20	22	28	130	56	7	1,8
25	28	34	130	80	8	2,5
32	37	43	160 (180**)	105	8	6,0
40	43	49	180 (200**)	112	10	8,0
50	54	61	210 (230**)	122	10	12,0

\* face to face dimensions acc. to PN-EN 12982:2002 – on request

\*\* for stainless steel performance (A) Tmax for material 1.4541 (X6CrNiTi18-10): from -196°C up to +300°C

## Application:

Check valves as one-way type prevents the pipelines and related equipment against reverse flow of medium. They can be installed in horizontal and vertical position on the pipeline, but paying attention on correct flow direction, that should be in accordance with marking on the body.

## Medium:

The valves are applicable for water, steam, oil and other non-aggressive fluids and gases with operating parameters in the range from  $-10\text{ }^{\circ}\text{C}$  up to  $450\text{ }^{\circ}\text{C}$ , f or marine service - marked "WM".

## Application range:

Nominal pressure  PN [bar]	Maximum operating pressure at medium temperature [ $^{\circ}\text{C}$ ]						
	to 120 $^{\circ}\text{C}$	200 $^{\circ}\text{C}$	250 $^{\circ}\text{C}$	300 $^{\circ}\text{C}$	350 $^{\circ}\text{C}$	400 $^{\circ}\text{C}$	450 $^{\circ}\text{C}$
<b>P250GH</b>	40	35	32	28	24	21	18
<b>X6CrNiTi18-10</b>	40	36	34	32			
<b>GX5CrNiMo19-11-2</b>	40	26	24	32			

Detailed informations can be found on the graph "Fittings permissible working parameters for applied materials" (layout p/t) in part IV of the catalogue.


## Materials:

Description	Material		
	standard	for marine service	Stainless steell
<b>Body</b> -ND 15-25 -ND 32-50	P250GH	P250GH	X6CrNiTi18-10 GX5CrNiMo19-11-2
<b>Body seat</b> -ND 15-25 -ND 32-50	X17CrNi16-2 18-8 Cr-Ni	X17CrNi16-2 18-8 Cr-Ni	X6CrNiTi18-10 GX5CrNiMo19-11-2
<b>Bonnet</b>	P250GH	P250GH	X6Cr Ni Ti18-10
<b>Disc seat</b> -ND 15-25 -ND 32-50	X30Cr13 X30Cr13	X17CrNi16-2 Cr-Ni 18-8	X6CrNiMoTi17-12-2
<b>Packing</b>	Graphite	Graphite	Graphite

## Remarks:

1. Tests and requirements of valves acc. to PN-EN 12266-1:2003.
2. Tightness class – **D** acc. to PN-EN 12266-1:2003 (other class of tightness also available – on request).
3. Face to face dimension acc. to DIN 3202 T2-S2.
4. Quality certificate, depends on customer request – acc. to PN-EN 10204:2005.
5. We produce the valves designed for marine service –WM acc. to PN-W-74017:1998, Standard -on request, the valves can be tested and meet the requirements of Classification Societies as: GL, LRS, BV, DNV, PMPC (Russian Maritime Register of Shipping), ABS, RINA.

**NOTE** – in inquiry / order we're asking for quoting the norm, type of facing, as well as medium and working parameters.

	<i>Producer and supplier:</i> <b>Fabryka Armatur „Głucholazy” S.A.</b>	<i>Address:</i> <b>48-340 Głucholazy ul. Wrocławska 1A</b>	<i>tel.:</i> 077 / 439 12 61 <i>fax:</i> 077 / 439 19 46 <i>e-mail:</i> <a href="mailto:fag@fagsa.com.pl">fag@fagsa.com.pl</a> <i>http:</i> <a href="http://www.fagsa.com.pl">www.fagsa.com.pl</a>
---	---	---	---

The Manufacturer reserves the right to introduce the changes in production without notify.