

**Primary characteristics**

The NAF Y-pattern Globe valves are entirely made of stainless steel. They are particularly well suited for installations in the process industry such as Pulp and Paper Mills, petro-chemical, the foods industry and other process industries and applications requiring high resistance to corrosive service.

- Integral mitre seats
- High disc lift - easy to clean
- Low pressure drop
- Disc free to move on stem

**Design**

The valves have a rising stem, inside screw and a rising handwheel. The bonnet is screwed into the body. The seat and the disc is contoured so that the valves can also be used for throttling service. The bonnet is locked into the valve body to prevent unintentional unscrewing of the bonnet.

**Applications**

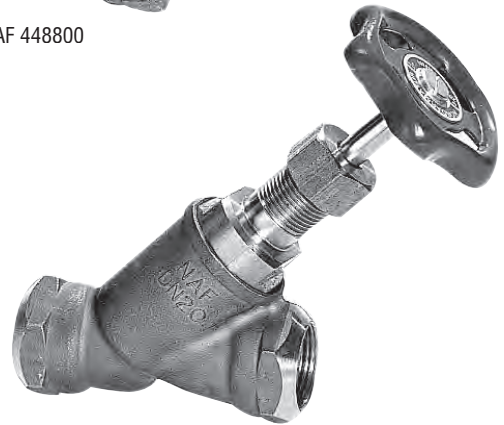
The valves are normally fitted with packings resistant to most acids and alkalis and to oil at temperatures up to 200°C. The valves can be repacked to specification for higher working pressures where conditions are less corrosive. Not recommended for steam service.

**Connections**

NAF 448800, female screwed ends to R  
NAF 448801 has welding ends with dimensions as per the table overleaf.



NAF 448800



NAF 448801

**Working pressures and temperatures (Table 1)**

NAF No.	Pressure Class	Max. temperature °C	
		100	200
		Max. pressure bar gauge	
448800-01	PN 100	78	64

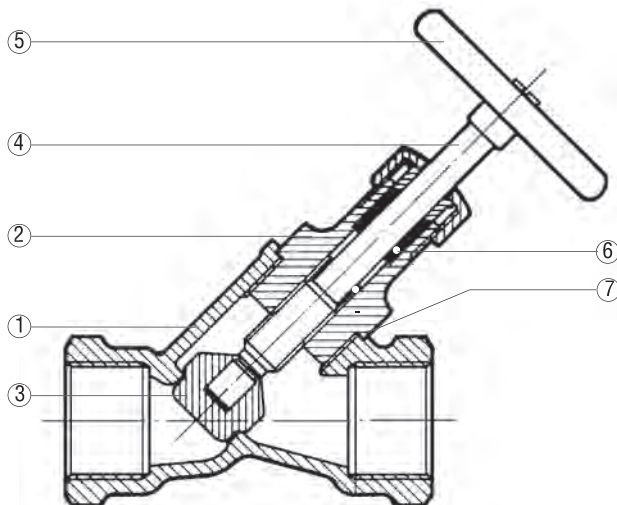
**Test pressure**

Valve closed: 1.1 x PN  
Valve open: 1.5 x PN, medium water

**Materials (Table 2)**

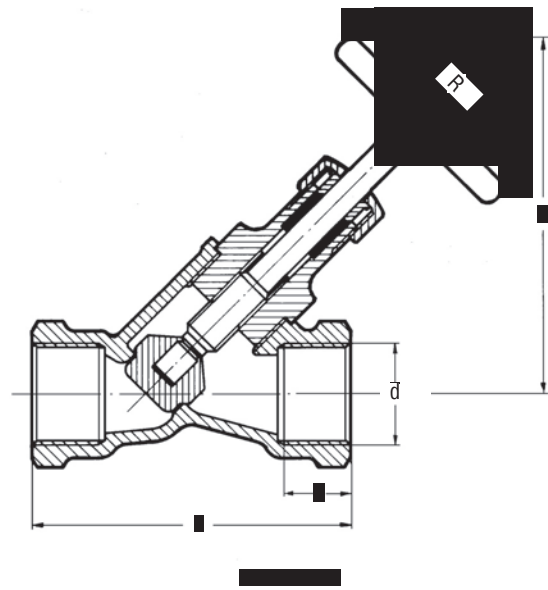
Item	Part	Material
1	Body	Stainless steel EN1.4436
2	Bonnet	Stainless steel EN1.4436
3	Disc	Stainless steel EN1.4436
4	Stem	Stainless steel EN1.4460
5	Hand wheel	Stainless steel
6*	Stuffing box	Graphite
7*	Bonnet gasket	PTFE ring

\* Recommended spare parts. When ordering spare parts use the designation given in the parts list above. State also NAF No., DN and "Part No." as stated on the legend plate.



**Dimensions and mass (Table 3)**

NAF No.	DN	Bore	d	L	G	H	R	K <sub>v</sub> * value	Mass kg
448800	8	12	1/4"	75	13	110	65	1.5	0,6
	10	12	3/8"	75	14	110	65	2.3	0,6
	15	12	1/2"	75	18	110	65	2.3	0,6
	20	22	3/4"	90	19	130	65	5.1	0,9
	25	22	1"	100	23	140	65	9.1	1,3

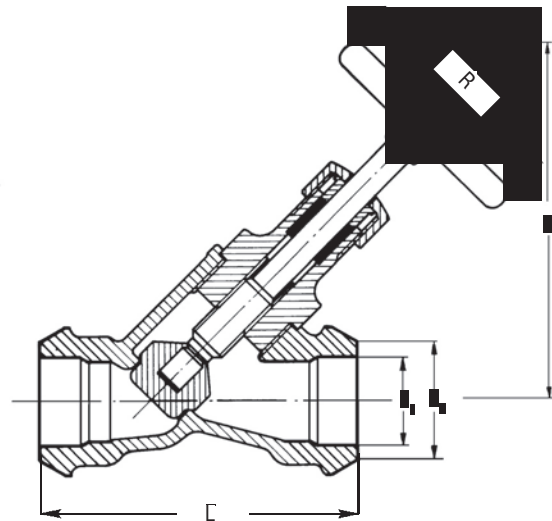


**(Table 4)**

NAF No.	DN	Bore	d	L	G	H	R	K <sub>v</sub> * value	Mass kg
448801	15	12	15	18	75	110	65	2.3	0,6
	20	12	20	23	75	110	65	5.1	0,6
	25	22	25	28	90	130	65	9.1	1,3

Dimensions in mm

\* K<sub>v</sub>=m<sup>3</sup>/h at pressure drop of 1 bar over the valve. K<sub>v</sub>=0.86 x C<sub>v</sub>  
C<sub>v</sub>=1.16 x K<sub>v</sub>



NAF 448801

**Ordering example**

When ordering, please state NAF No., DN (size) and valve type. For example:

NAF 448800, DN 25, Y-pattern globe valve

