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KTN
Kara Technology News

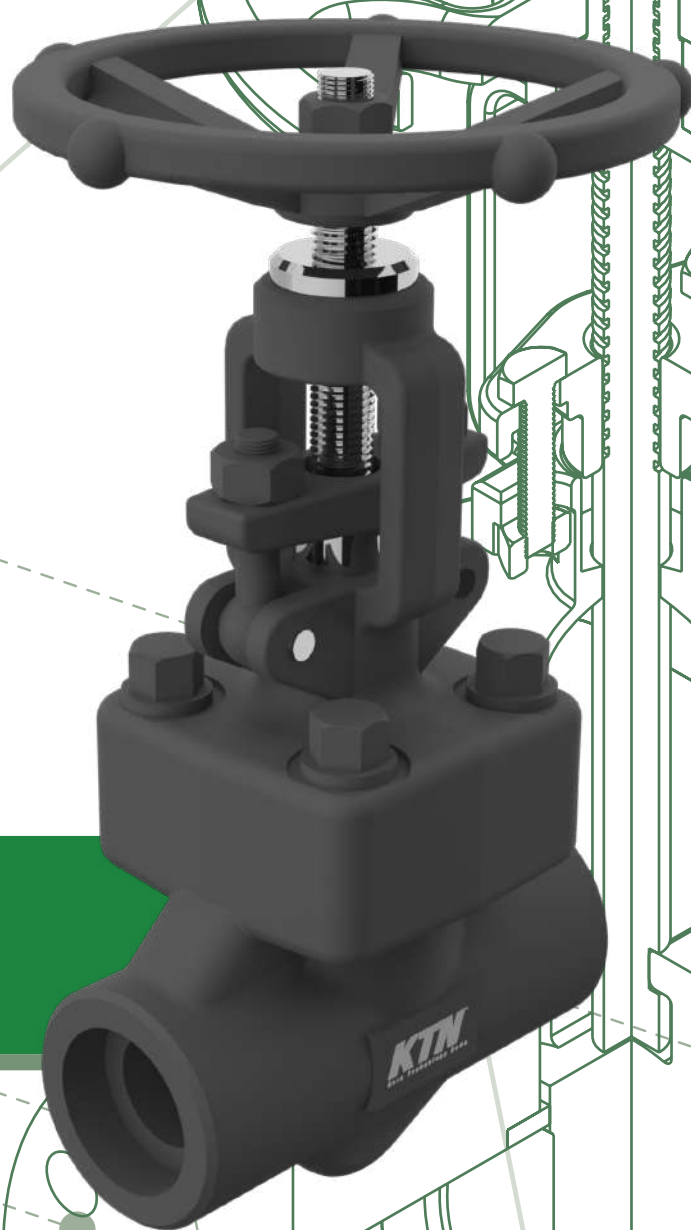


FIG. 444

FORGED CARBON STEEL GLOBE VALVE

1/2" - 2" | 800LB

KTN SOCKET WELD GLOBE VALVE 444:

The KTN 444/800 is our weldable ends class 800 globe valve. Made of forged carbon steel A105. Designed to start, stop, and throttle fluid flow. The seat opening varies in direct proportion to the disc travel and therefore makes it ideal for tasks that require flow control. Suitable for high pressure and high temperature. Can be used unidirectionally. The range is from 1/2" to 2" and the maximum working pressure is 140 Bar. The working temperature range covers from -29°C to + 425°C. The valve features a stellite-hardened stainless seat. Indicated for conducting and strangling the passage of aqueous media, oil and gas.

1 Body and bonnet:

Z shaped body and bonnet made of ASTM A105 forged carbon steel specially designed for high pressure systems at high-temperature service.

2 F6 Stem:

Non rising stem makes it more suitable for limited space installations with simple design with less parts to be exposed to the fluid decreases the risk of stem leakage.

3 Graphite packing:

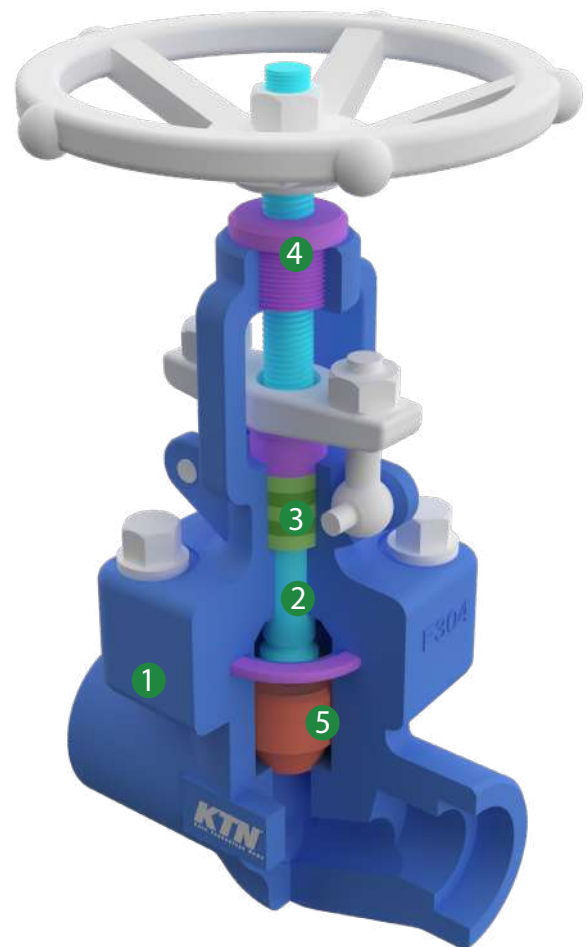
Heat resistant graphite packing that provides a tight seal on the stem when its pressured by the gland and gland flange.

4 Sealing parts:

Heat resistant graphite gasket and stainless steel glands that provide excellent sealing between bonnet, body and stem.

5 Stellite obturator/disc:

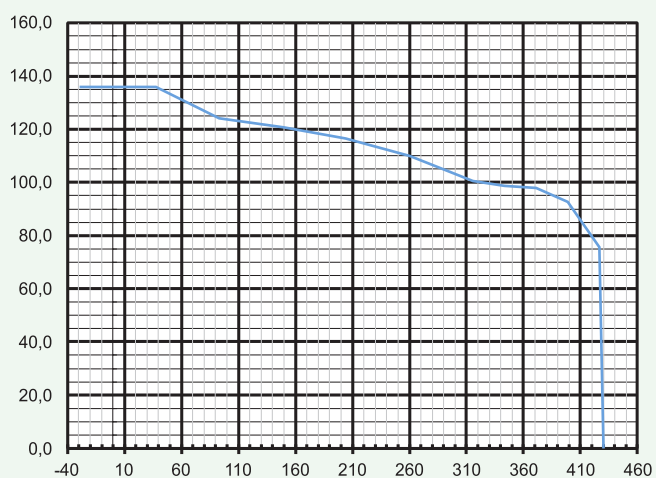
Conical obturator reinforced with stellite to increase resistance, it is designed open, close or throttle the fluid by leaving the valve partially opened.



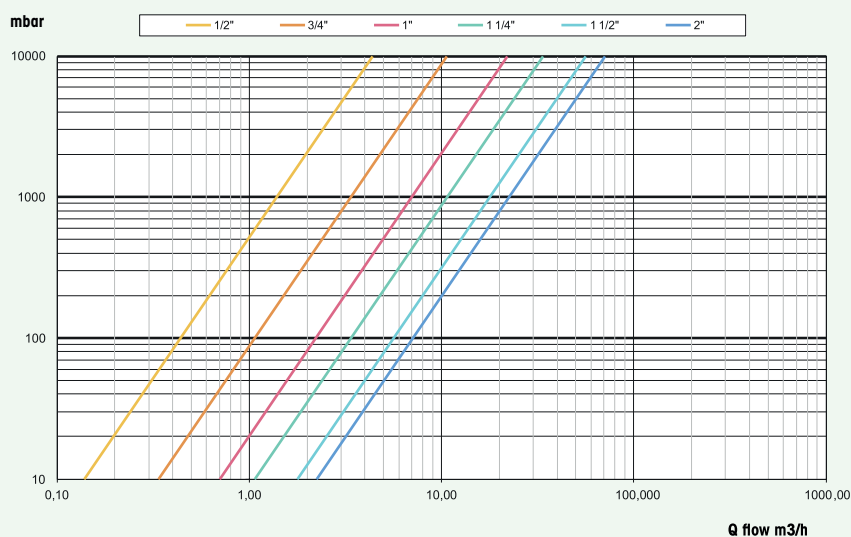
GENERAL SPECIFICATIONS

DESIGN	API 602
FACE TO FACE	ANSI B16.10
BW ENDS	ANSI B16.25
TEST	API 598
WORKING TEMPERATURE	-29°C ~ 425°C
MEDIUM	Water, oil and gas
TRIM	5

PRESSURE AND TEMPERATURE RATING



HEADLOSS CHART



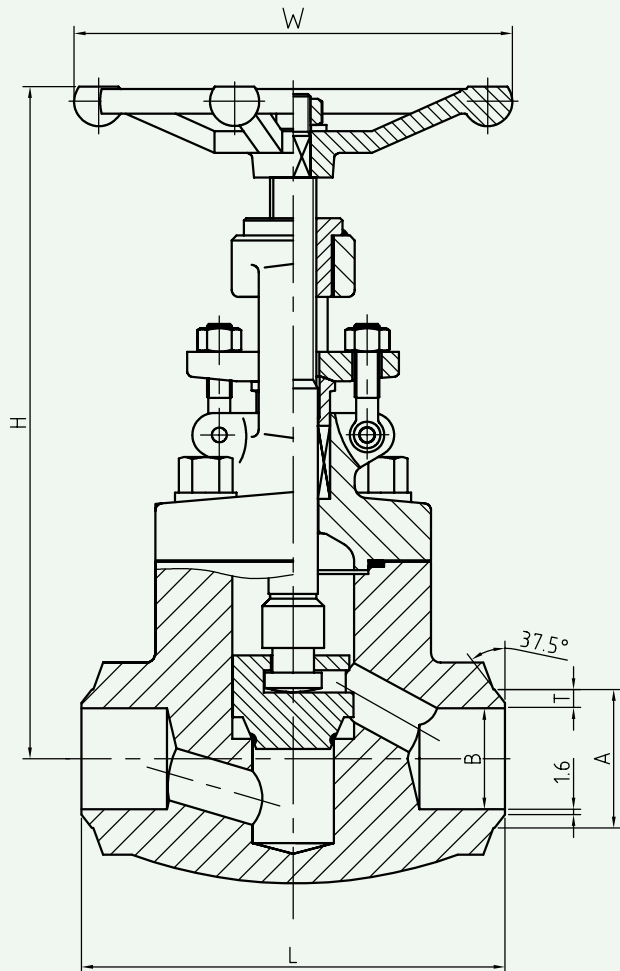
Kv VALUES

Inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
m3/h	1.3	3.4	6	8.8	15.6	19.2

Kv = The rate of flow of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

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FORGED CARBON STEEL GLOBE VALVE WITH WELDABLE ENDS



* Under request, we provide special flange for actuation

OUTLINE DIMENSIONS

Inch	L	H	W	A	B	T	Torque N.M * (Estimated)	Weight Kg
1/2"	79	164	100	21.3	13.8	3.73	80 - 100	2.24
3/4"	92	164	100	26.7	18.9	3.91		2.40
1"	111	203	125	33.4	24.3	4.55		3.90
1 1/4"	120	224	160	42.2	32.5	4.85		5.9
1 1/2"	152	260	160	48.36	38.1	5.08		7.8
2"	172	300	180	60.3	49.2	5.54		11.8

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