



CE EAC
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KTN
Kara Technology News



FIG. 541

FORGED CHECK VALVE WELLDABLE ENDS

1/2" - 2" | 800LB

CHECK VALVE

SW THREADED ENDS :

The KTN 581 is our check valve class 800 and SW. Body and bonnet made of F316L stainless steel. Gaskets in 316+graphite to increase wear and high temperature resistance. Disc in 316L. Its ideal to protect pumps, valves and other pipes from damage caused by back-flow. The range is from 1/2" to 2" (inches). Maximum working pressure: 140 Bar. The working temperature range covers -29°C to + 425°C. The valve features a stellite-hardened stainless seat. Indicated to conduct and retain the passage of aqueous media, oil and gas.

1 Body & bonnet:

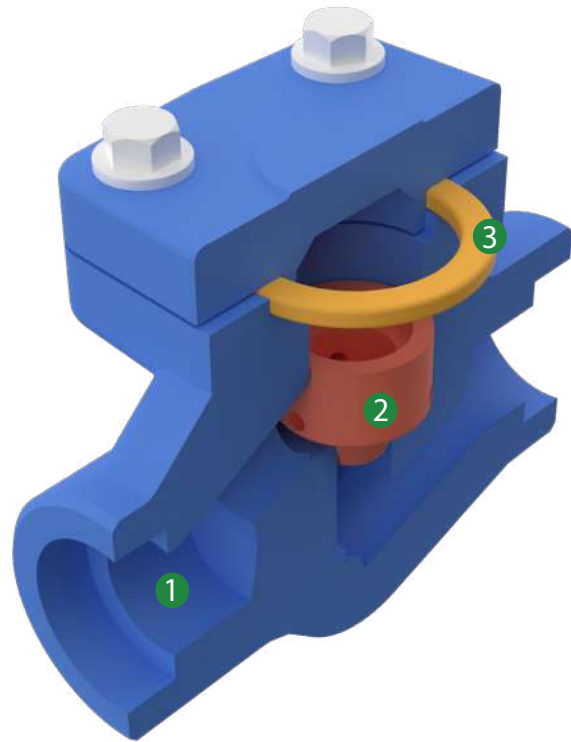
Body designed to prevent backflow while is able to endure high and low pressure conditions. Can be set horizontally and vertically. Bonnet and body made of forged stainless steel, hardened with stellite.

2 Piston:

Piston made of tempered stainless steel 316L.

3 Graphite gasket:

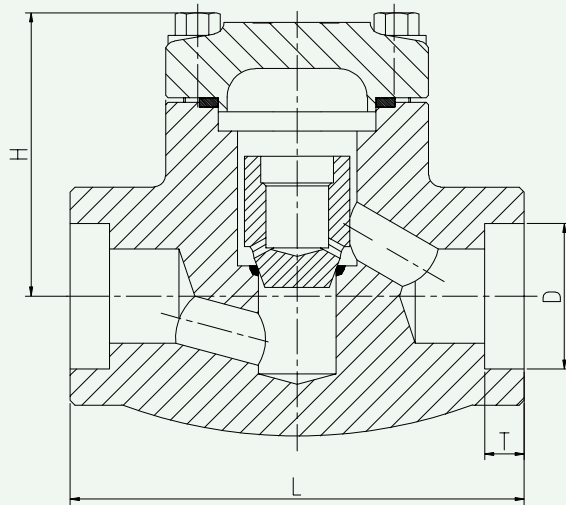
Heat resistant graphite packing provides a perfect seal between the body and the bonnet. It also reinforces high temperature resistance of the valve.



GENERAL SPECIFICATIONS	
DESIGN	API 602
FACE TO FACE	ANSI B16.10
WELLDABLE ENDS	ANSI B16.11
TEST	API 598
TEMPERATURE RANGE	≤ 425°C
MEDIA	Water, oil and gas
TRIM	5

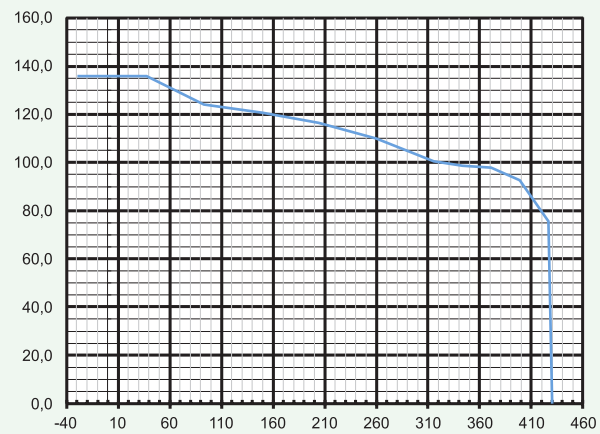
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FORGED STAINLESS STEEL F316L CHECK VALVE WITH SOCKET WELDABLE ENDS

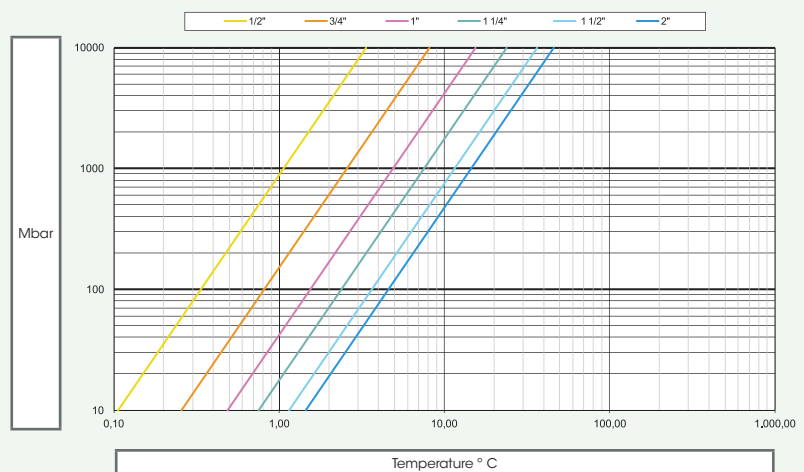


DIMENSIONS					
Inch	L	H	D	T	Weight (Kg)
1/2"	79	61	21.8	9.6	1.5
3/4"	92	61	27.1	12.7	1.6
1"	111	78	33.8	12.7	2.92
1 1/2"	152	84	48.7	12.7	6.1
2"	172	118	61.2	15.9	9.6

PRESSURE AND TEMPERATURE



HEADLOSS TABLE



Kv Values						
Inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
m3/h	1.04	2.77	5	7.9	11.2	14.7

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

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