

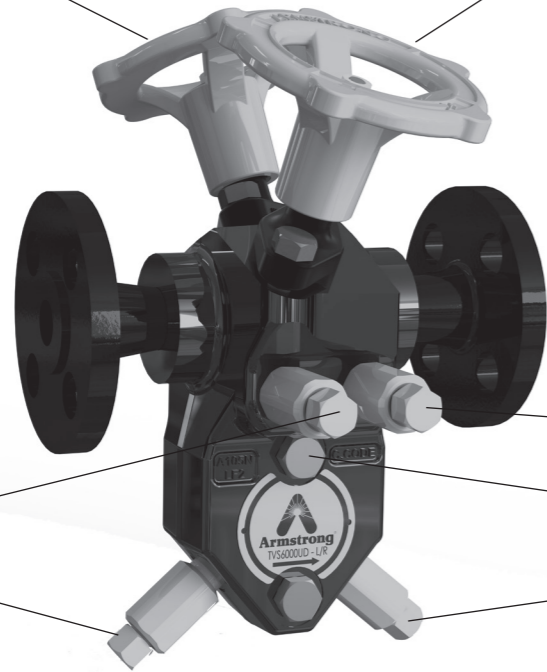
**3-years guarantee**

Connection flexibility (SW, BW, BSPT, NPT Flanges EN or ANSI)

Bleed inlet

Test valve used to test and evaluate trap operation

Integral double piston style inlet and outlet isolation valves



Bleed outlet

Connector block adaptable to inverted bucket, disc, thermostatic wafer, bimetallic, float and thermostatic steam traps

Strainer and blowdown valve

**Description**

This original concept has been developed to meet new demanding requirements regarding safety when operating steam equipments such as steam traps in many industrial environments. It packages, in a very compact connector block, most of the features required to safely operate, check and maintain steam trap. You will still enjoy all the well knowns benefits of the inverted bucket steam trap now coupled to this new forged steel connector using the piston valve technology which has proven its reliability for 40 years. This new concept TVS6000UD is covered by a 3 year guarantee. The TVS6000UD can be fitted with steam traps of different technologies (thermodynamic, thermostatic, float and thermostatic or free float. Please refer to specific capacity charts)

**Connections**

Screwed BSPT and NPT  
Socketweld and Butt weld  
Flanged EN1092-1 PN40 or ASME B16.5

**Materials – TVS-5000 Connector**

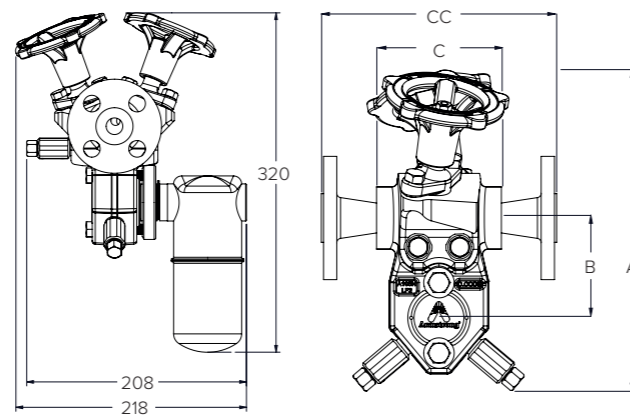
Connector: ASTM A350 LF2  
Test valve: ASTM A582 T303 – Nitronic 60  
Blowdown valve: ASTM A582 T303 – Nitronic 60  
Depressurising valve: ASTM A582 T303 – Nitronic 60  
Flanges: P250GJ (other material on request)

**Isolation Valve Components**

Valve Sealing Rings: Graphite and Stainless Steel  
Bonnet: ASTM A350 LF2  
Bonnet Bolting: DIN933 8.8  
Stem and washers: ASTM A564 17-4 H900  
Lantern bushings: ASTM A582 T304  
Valve washer: ASTM A582 T304  
Disc springs: AISI T301  
Nut: AISI T304  
Handwheel: Ductile Iron

**Flow Direction**

Left to Right (L/R)  
Right to Left (R/L)

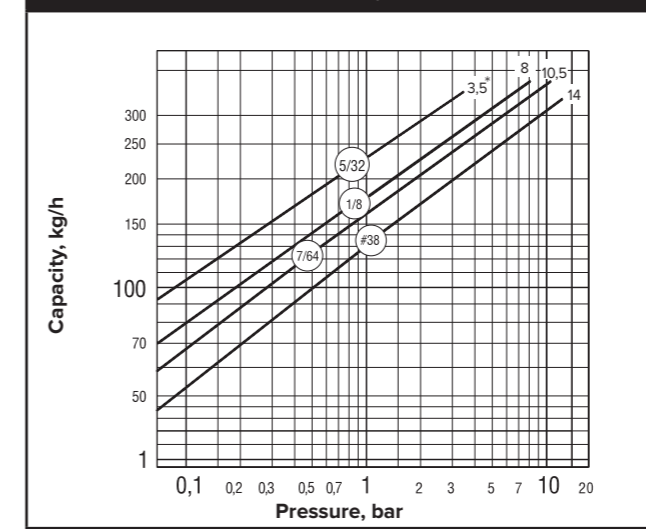


+ May be derated depending on flange rating and type.

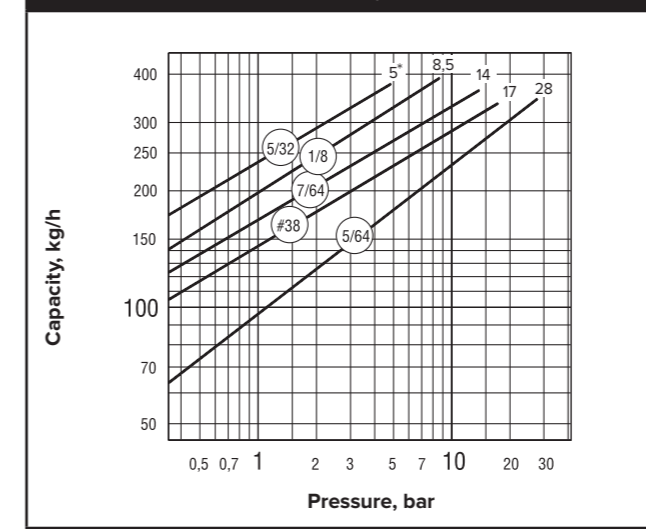
**Table ST-162-1. TVS-6000UD Compact double isolation and bleed (dimensions in mm)**

Connection Size	1/2" DN15	3/4" DN20	1" DN25
"A" valve closed	230	230	230
"A" valve open	250	250	250
"B"	72	72	72
"C" Face-to-Face (screwed, SW & BW)	100	100	100
"CC" Face-to-Face (flanged EN1092-1 PN40)	150	150	160
"CC" Face-to-Face (flanged ASME B16.5 #150)	170	172	179
"CC" Face-to-Face (flanged ASME B16.5 #300)	179	182	192
Weight in kg (screwed, SW & BW)	5.16	5.16	5.16
Weight in kg (flanged EN1092-1 PN40)	6.86	7.46	7.86
Maximum Allowable Pressure +	45 bar @ 315 °C		
Maximum Hydrotest Temperature	315 °C		
Maximum Hydrotest Pressure	68 bar		

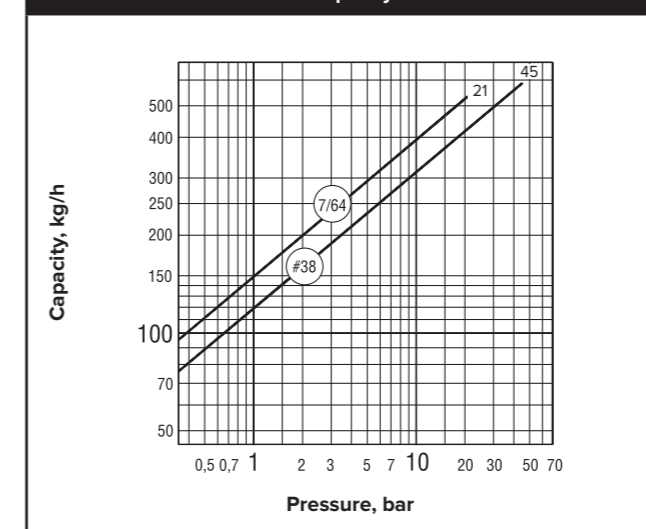
**Table ST-163-1. Model 2010 Capacity**



**Table ST-163-2. Model 2011 Capacity**

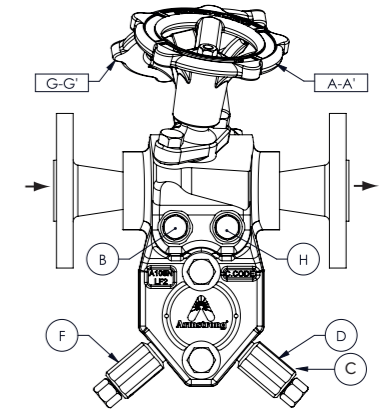


**Table ST-163-3. Model 2022 Capacity**

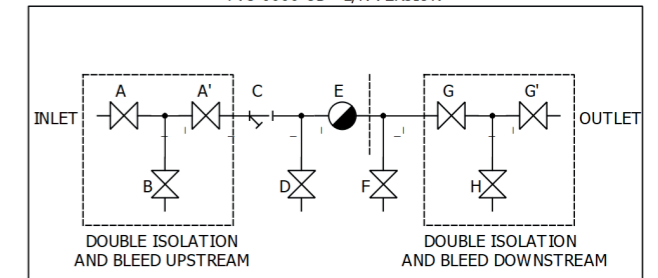


\* Capacities to be reduced by 5% for pressure below 5 bar (tested with Armstrong stem traps).

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.



TVS 6000 UD - L/R VERSION



**UPSTREAM**  
A: INLET FIRST ISOLATION VALVE  
A': INLET SECOND ISOLATION VALVE  
B: BLEED INLET  
C: STRAINER  
D: DEPRESSURIZING VALVE  
E: STEAM TRAP CONNECTION

**DOWNSTREAM**  
F: TEST VALVE  
G: OUTLET FIRST ISOLATION VALVE  
G': OUTLET SECOND ISOLATION VALVE  
H: BLEED OUTLET

**Table ST-163-4. How to Order**

Model	Connection	Type of Connection	Flow Direction
TVS-6000UD	DN15 DN20 DN25	Flanges EN1092-1 & PN Class	L/R = Left to Right R/L = Right to Left
	1/2" 3/4" 1"	BSPT, NPT, SW, BW, Flanges ASME B16.5 & Class RF	