



DOT-7000 Series Dual Orifice Trap

For Pressures up to 575 psig (40 barg)...Capacities to 1,730 lb/hr (785 kg/hr)

Steam Trapping and Steam Tracing Equipment

Description

Series DOT-7000 is ideally intended for use on shipboard steam systems where steam is created from demineralized or purified water and does not contain the minerals and impurities typically found in land based steam systems.

Series DOT-7000 Series is intended for condensate drain applications seeing constant steam supply and return pressures, and condensate loads which are not variable.

Series DOT-7000 is installed in conjunction with a 2-bolt connector.

Maximum operating conditions

Maximum allowable pressure

All Models: 650 psig @ 600°F (45 barg @ 315°C)

Maximum operating pressure

All Models: 575 psig (40 barg)

Connections

Screwed NPT and BSPT

Socketweld

Flanged (consult factory)

Materials

Cap & body: ASTM A351 Gr. CF8M

Integral screen: SS T316



How to Order

Specify:

- Model Number
- Type of 360° connector

For a fully detailed certified drawing, refer to:

DOT 7000 Series with Standard Connector

CD#2801

DOT 7000 Series with IS-2 Connector

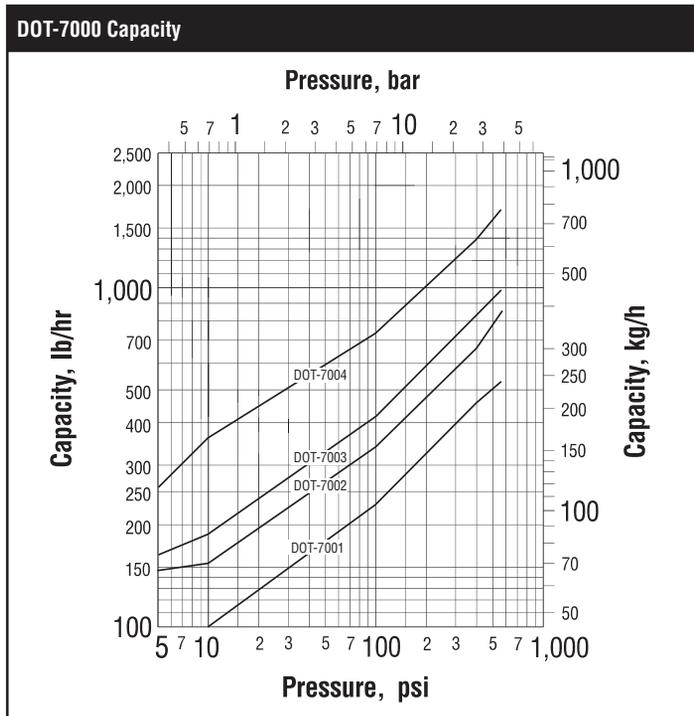
CD#2804

DOT-7000 Series with TVS 4000

CD#2803

360° Connector Styles

- Standard connector
- IS-2 connector with integral strainer
- TVS-4000 2-bolt connector block



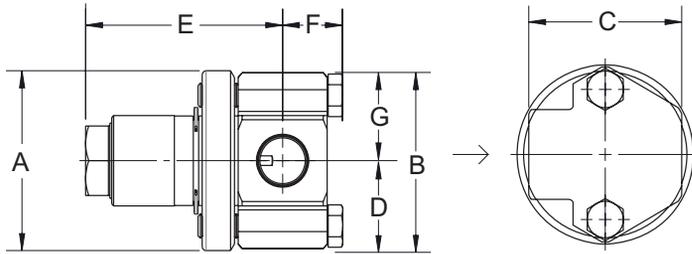
Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.

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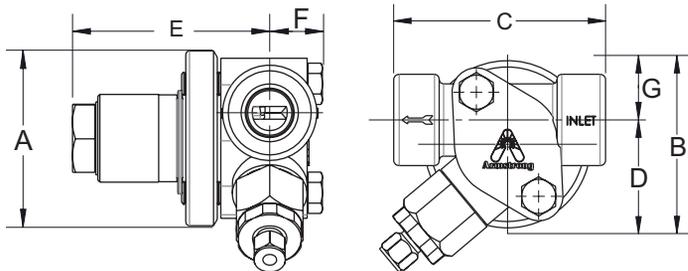
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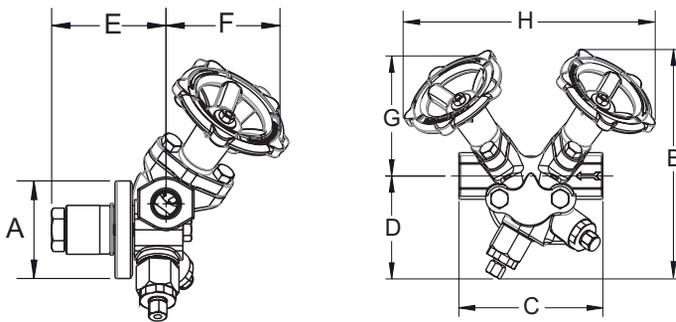
Steam Trapping and
Steam Tracing Equipment



DOT-7000 Series With Standard Connector



DOT-7000 Series With IS2 Connector



DOT-7000 Series With TVS 4000

DOT-7000 Series Traps									
Model No.	DOT-7000								
	Standard Connector		IS-2 Connector With Integral Strainer				TVS 4000 Connector		
Pipe Connections	in	mm	in	mm	in	mm	in	mm	
"A" Trap Diameter	1/2, 3/4	15, 20	1/2, 3/4	15, 20	1	25	1/2, 3/4	15, 20	
"B" Total Height	2-3/4	70	2-3/4	70	2-3/4	70	2-3/4	70	
"C" Face-to-Face	2-3/4	70	3-1/2	89	3-1/2	89	7-13/16	198	
"D" Connection \varnothing to Bottom	2-3/8	60	3-1/2	89	4	101	4-3/4	120	
"E" Connection \varnothing to Outside of Trap	1-3/8	46	2-5/8	67	2-5/8	67	3-1/4	83	
"F" Connection \varnothing to Front of Connector	3-1/16	78	3-1/8	79	3-5/16	84	3-1/2	89	
"G" Connection \varnothing to Top	13/16	20	7/8	22	7/8	22	3-7/8	98	
"H" Width Across Handwheels (valve open)	1-3/8	46	1	25	1	25	4-1/2	114	
Test Port Connection	—	—	—	—	—	—	8-11/16	221	
Trap Only Weight, lb (kg)	—	—	—	—	—	—	1/4 NPT	6	
Trap and Connector Weight, lb (kg)	3.1 (1.4)		1.4 (0.63)				3.3 (1.5)		7.9 (3.6)

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