

spirax/sarco®

Ductile Iron Liquid Drain Trap CA14

The float-operated liquid drain trap discharges continuously in direct response to variations in liquid flow rate, assuring thorough drainage of the system. The CA 14 has a synthetic rubber valve head for positive closure.

Model ⇄	CA 14
PMO	203 psig
Sizes	1/2" & 3/4"
Connections	NPT
Construction	Ductile Iron
Options	BSP Connections

TYPICAL APPLICATIONS

Receiver and airline drainage, draining a liquid from its vapour phase.

LIMITING OPERATING CONDITIONS

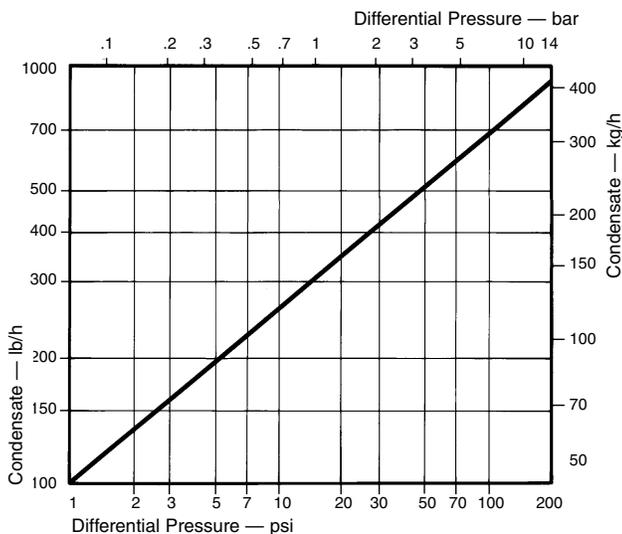
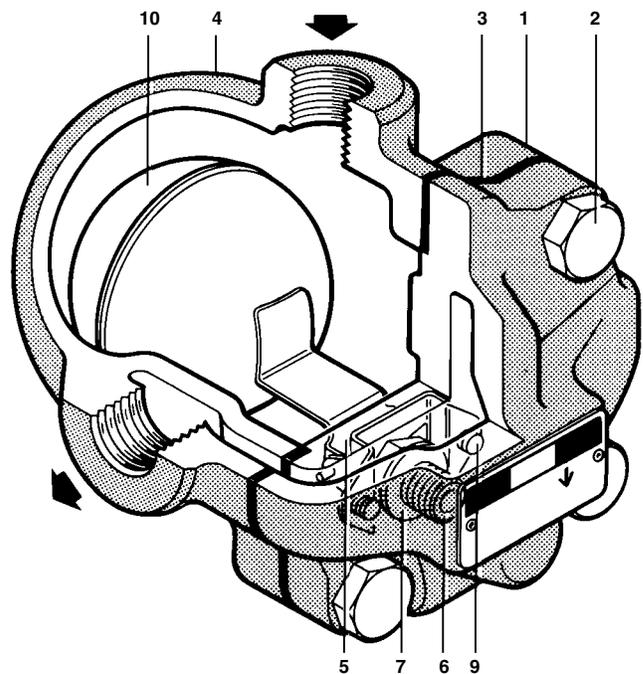
Max. Operating Pressure (PMO) 203 psig (14 barg)

Max. Operating Temperature 260°F (127°C)

PRESSURE SHELL DESIGN CONDITIONS

PMA
Max. allowable pressure
232 psig/0-248°F 16 barg/0-120°C
203 psig/389°F 14 barg/198°C
188 psig/482°F 13 barg/250°C

TMA
Max. allowable temperature
482°F/0-188 psig 250°C/0-13 barg



CONSTRUCTION MATERIALS

No.	Part	Material	
1	Cover	Ductile (SG) Iron	DIN 1693 GGG 40
2	Cover Bolts	Steel	BS 3692 Gr B.8
3	Cover Gasket	Asbestos-free Synthetic Fiber	BS 2815 Gr.B
4	Body	Ductile (SG) Iron	DIN 1693 GGG 40
5	Main Valve	Synthetic Rubber	Viton
6	Main Valve Seat	Stainless Steel	AISI 431
7	Main Valve Seat Gasket	Stainless Steel	AISI 304
9	Main Valve Assembly Screws	Stainless Steel	BS 6105 C1 A2-70
10	Ball Float & Lever	Stainless Steel	AISI 304

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
In the interests of development and improvement of the product, we reserve the right to change the specification.

TI-7-317-US 03.94

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SAMPLE SPECIFICATION

The liquid drain trap shall be of the float type with screwed NPT connections (top inlet, side outlet.) Body material shall be Ductile (SG) Iron. Valve mechanism shall be stainless steel with viton valve head designed to retain a water seal at all times. All internals are to be renewable & field servicable without disturbing the piping connections.

INSTALLATION

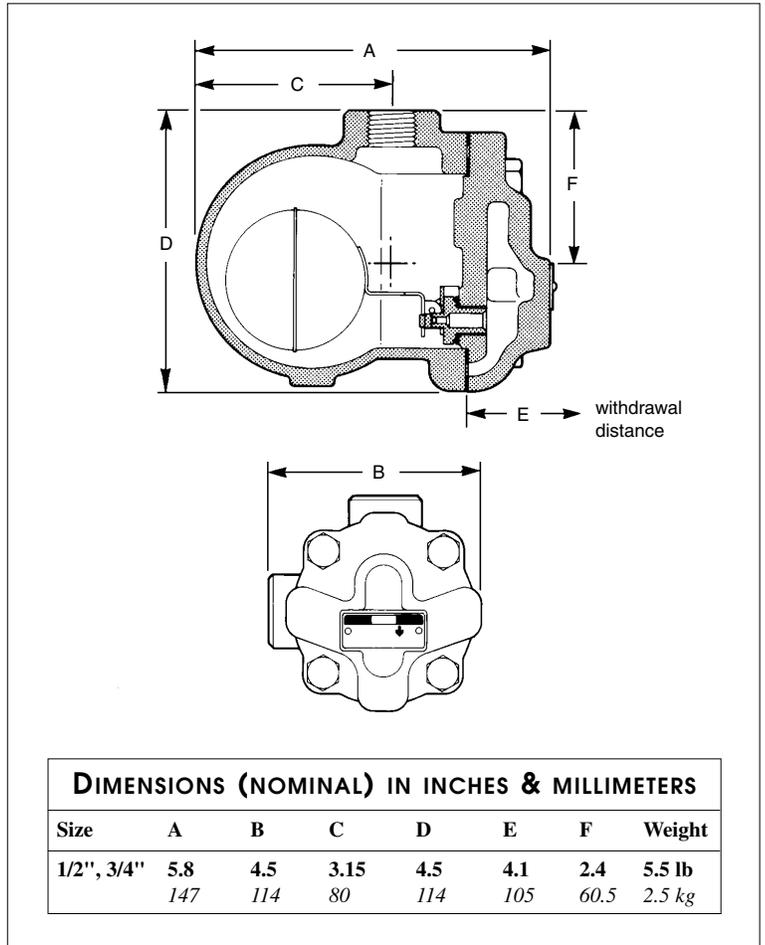
The trap must be fitted in a horizontal plane, as shown, with the inlet at the top so that the float mechanism is free to rise and fall vertically. The discharge should be piped to a safe place.

MAINTENANCE

This product can be maintained without disturbing the piping connections. Complete isolation of the trap from both supply and return line is required before any servicing is performed. The trap should be disassembled periodically for inspection and cleaning of the valve head and seat.

Worn or damaged parts should be replaced using a complete repair kit.

Complete installation and maintenance instructions are given in the IMI sheet which accompanies the product.



Maintenance Kit	A, B (2 off), C, D, E, F, G, O
Seal Kit	C, O

Available spare parts are shown in heavy outline. Parts drawn in broken line are not supplied as spares.

SPARE PARTS

