

Byvap[®] Pumping trap

TYPE PPX14

Description

The PPx14 pumping trap is especially designed to automatically fully remove condensate from heat exchangers on steam network, even if the downstream pressure is higher than the inlet pressure. The PPx14 pumping trap will ensure your heat exchanger works in the best conditions giving to the process a perfect temperature control without any condensate retention or waterhammer.

Features

Flanges : Inlet : DN40 –Outlet : DN25

Design : PN16

Material Body - Cover:

- Cast Iron : EN-GJS 400-18 / 5.3105
 - Cast Steel : 1.0619 et/ Stainless Steel : 1.4408
- Connections Flanges : ISO PN16 (Other on request)

- Motive fluid: ½" Gaz (BSPP)
- Exhaust : ¾" Gaz (BSPP)

Maximum Allowable Pressure : 16 bar eff. à 20°C

Maximum Allowable Temperature : 300°C

Maximum Motive Pressure: 10 bar eff.

Maximum Operating Temperature : 200°C

Maximum Trap Capacity : 18000 kg/h to 10 bar

Maximum Pumping Capacity : 2000 Kg/h

Pumping Capacity per cycle : 8 litres / liters

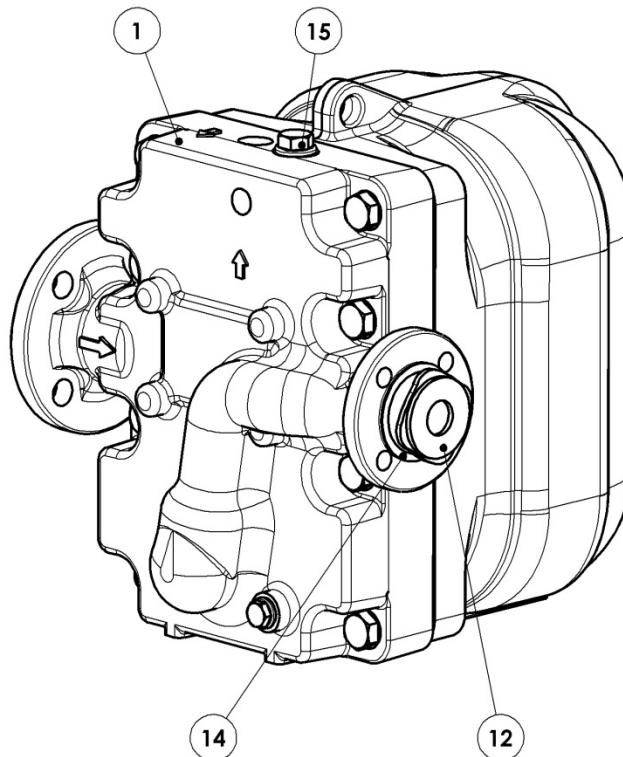
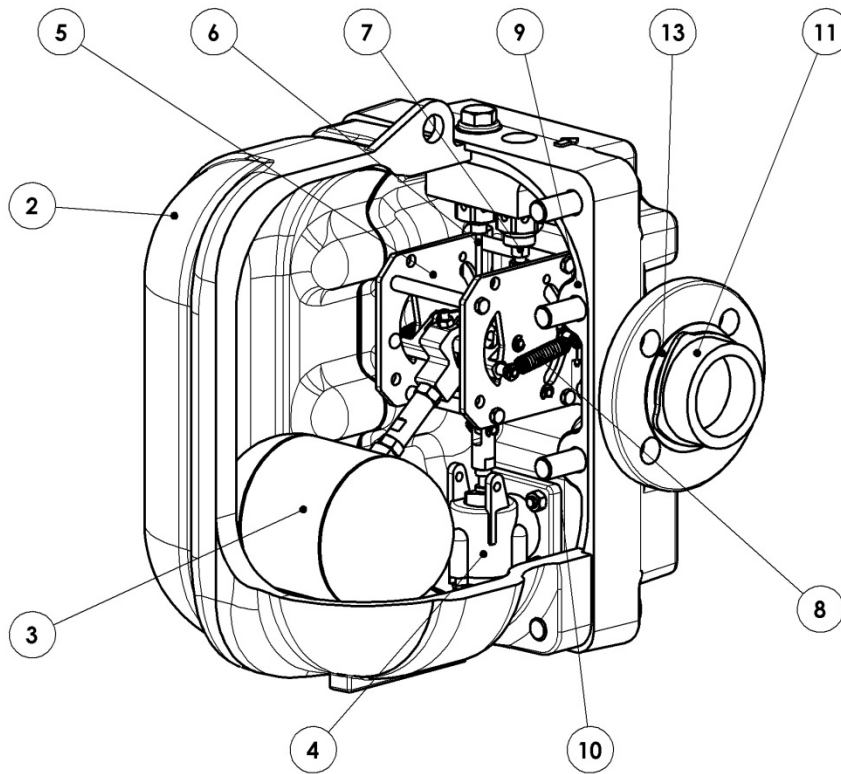
Motive fluid : Steam, Compressed air, Nitrogen

Pumped fluid : Condensate (Other, contact us)

Installation head : mini 0.6 m – maxi 1.3 m (Beyond, contact us)



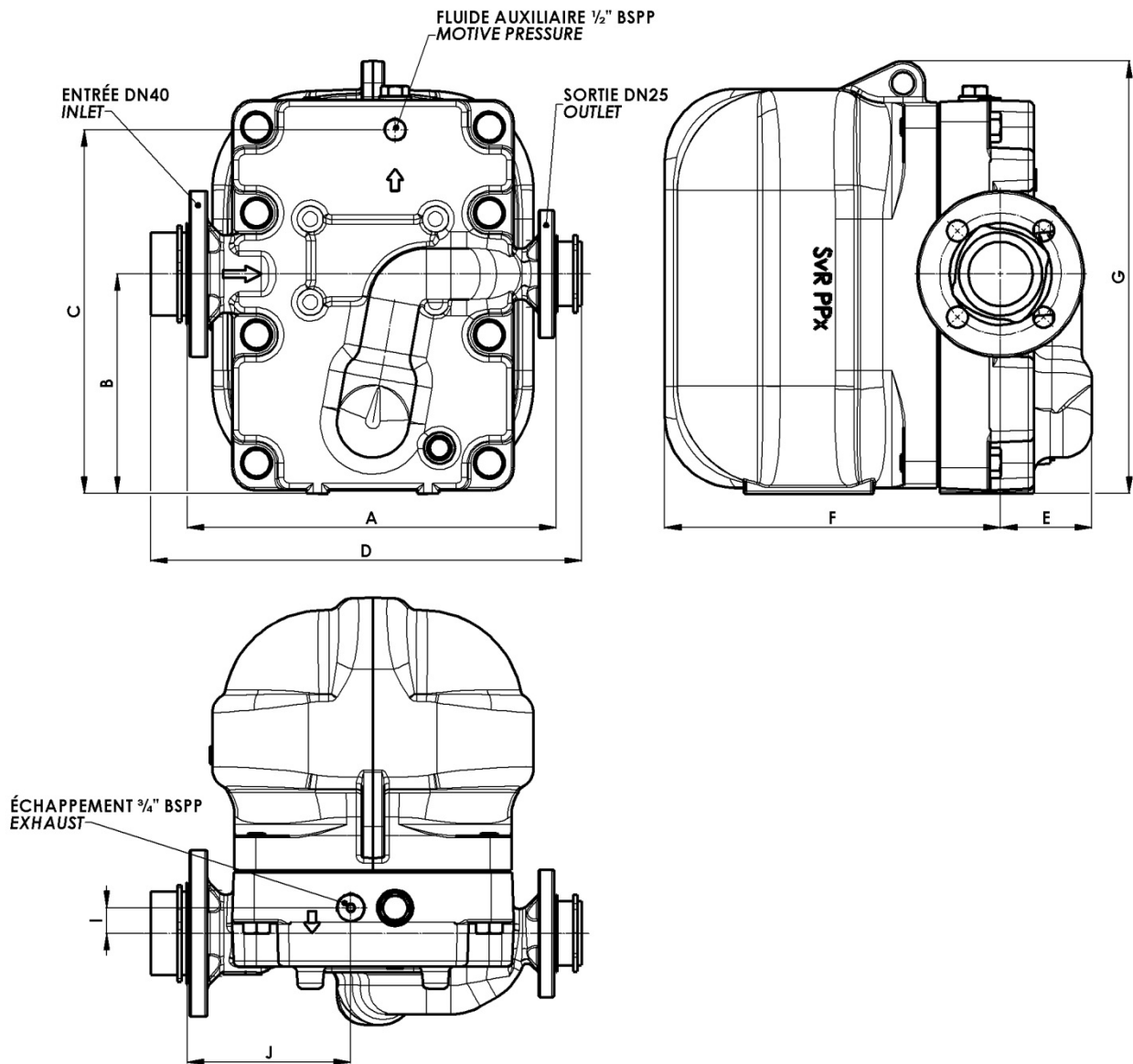
Parts list



Item	Description	Material
1	Body	EN GJS-400-18 / 1.0619 / 1.4408
2	Cover	EN GJS-400-18 / 1.0619 / 1.4408
3*	Float	Inox 1.4571
4*	Trap	Inox AISI 410
5*	Mechanism	Stainless Steel
6*	Inlet Valve	Stainless Steel
7*	Exhaust Valve	Stainless Steel
8*	Springs	Stainless Steel
9*	Cover gasket	Graphite
10*	Trap gasket	Graphite
11*	Inlet Check Valve	Stainless Steel
12*	Outlet Check Valve	Stainless Steel
13*	Flange Gasket	Stainless Steel
14*	Flange Gasket	Stainless Steel
15*	Strainer	Stainless Steel

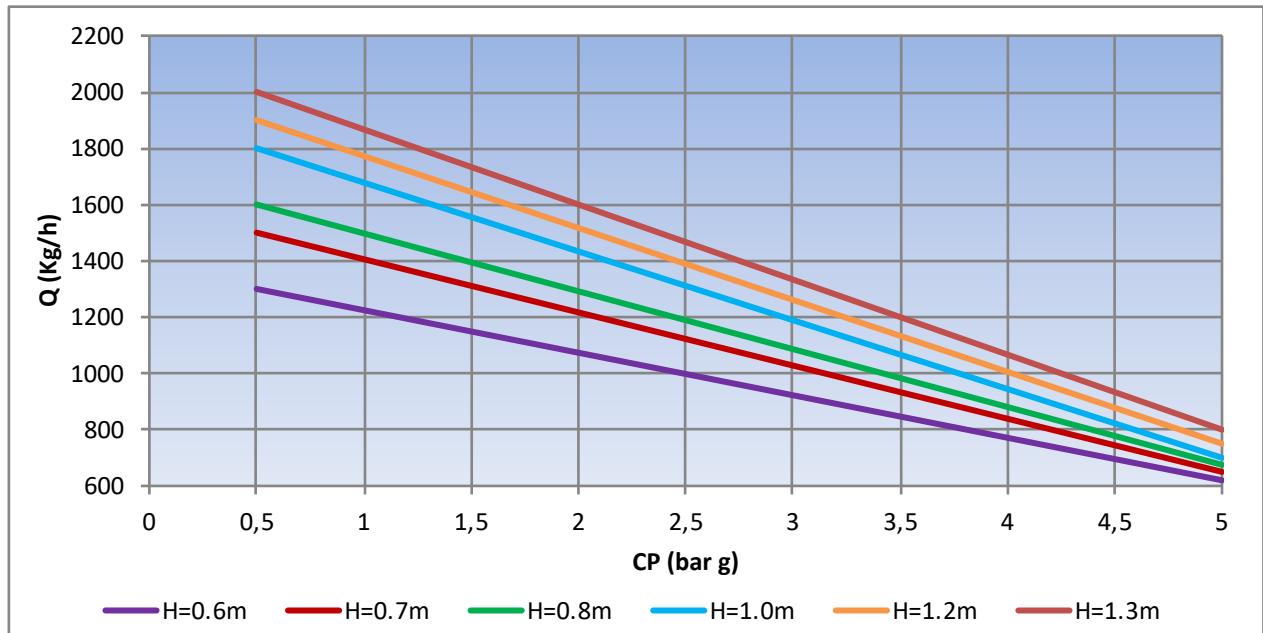
* Spare parts

Dimensions



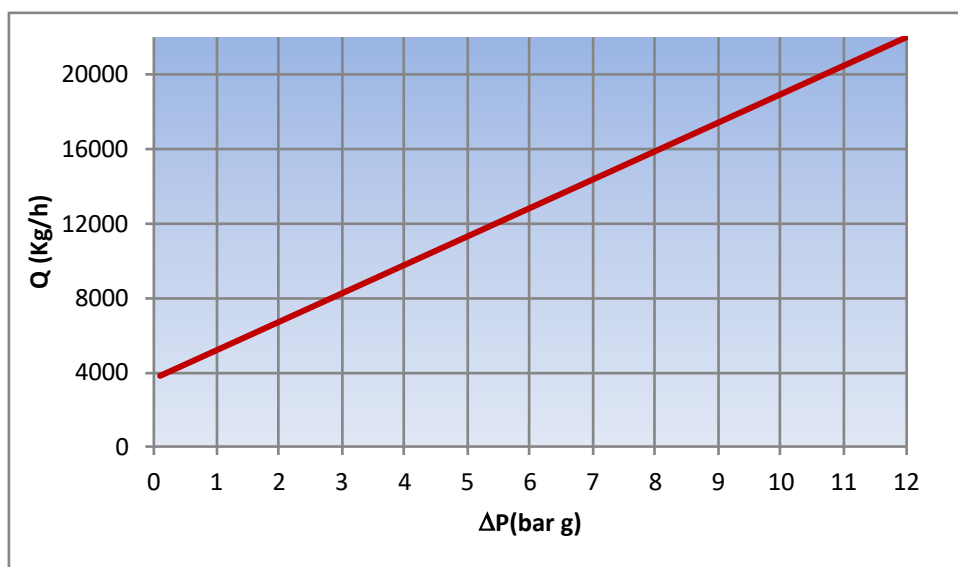
A	B	C	D	E	F	G	I	J	Motive fluid	Exhaust	Weight
333	198	330	389	83	303	390	23	148	BSP 1/2"	BSP 3/4"	65 kg

Pump capacity



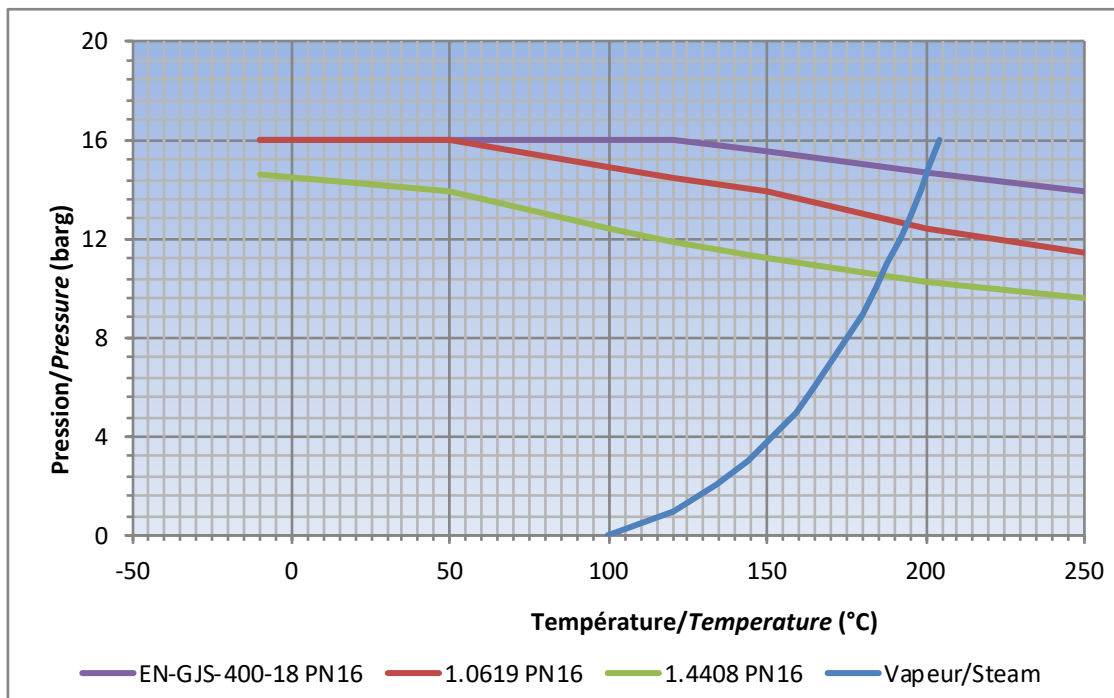
H : Installation head

Trap capacity

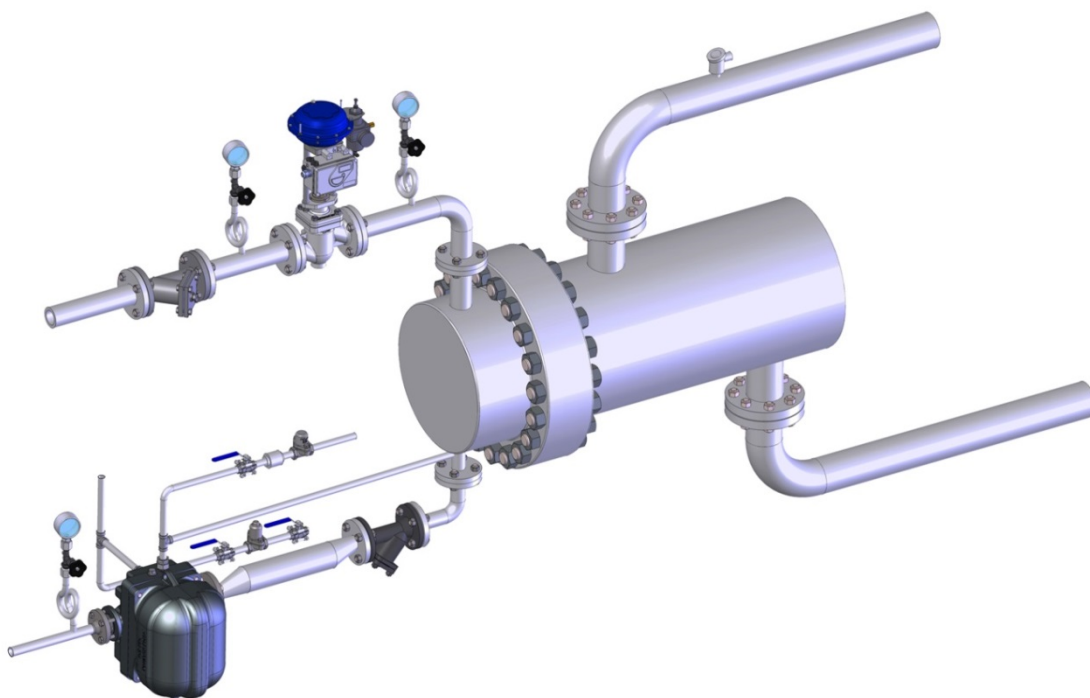
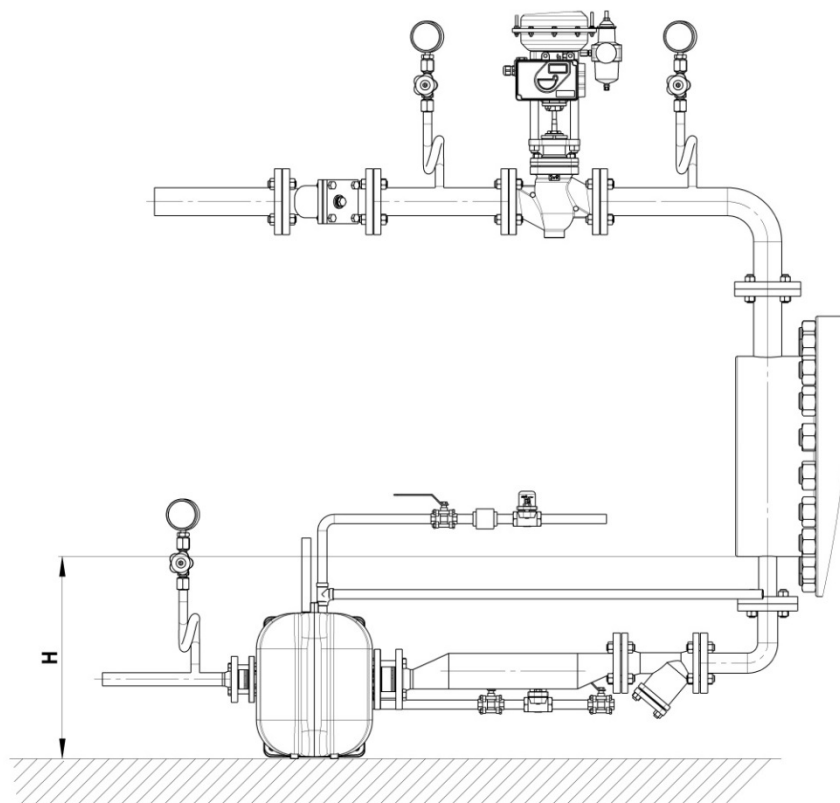


Pressure/Temperature chart

According to EN1092/1 et EN1092/2



Installation Head H (m)



Mounting for PPx14 pumping trap on a tubular heat exchanger