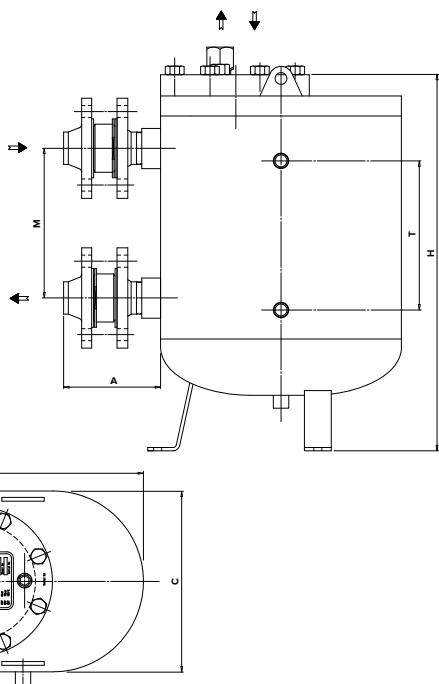




EPT-200 Series Pumping Trap

Carbon Steel, Same Side Connections

For capacities up to 2 620 kg/h (steam motive)... Discharge per cycle 19 liters



The Armstrong EPT-200 Series Vertical Pumping Trap is a low maintenance, non-electric solution to move condensate or other liquids from low points, low pressures or vacuum spaces to an area of higher elevation or pressure. Condensate can be returned well above the 99°C limit of conventional electric condensate pumps without the headaches of leaking seals or cavitation problems.

Features

- Non-electric – Uses inexpensive steam, air or gas to operate the pump trap
- Low profile – For tight space requirements (min. 550 mm)
- Explosion proof – Intrinsically safe
- Durable carbon steel body for long service life
- Low maintenance – No leaking seals, impeller or motor problems
- All stainless steel internals with durable Inconel X-750 springs
- Externally removable/replaceable seats – Valve and seats can be replaced or cleaned without removing pump cap from body

Table CRE-232-1. EPT-200 Pumping Trap Physical Data

Model Number	EPT-204	EPT-206
	mm	mm
«C»	270	270
«H»	550	550
«T»	224	224
«U»	57	57
«M»	224	224
«A»	129	145
«Z»	489	505
Cap Removal	400	400
Weight (kg)	50	51
Number of Cap Bolts	8	8

Maximum Allowable Pressure (Vessel Design) 10 barg @ 250°C.

Maximum Operating Pressure 9 barg.

All models are CE Marked according to the PED (2014/68/UE).

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

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Table CRE-233-1. EPT-200 Pumping Trap Materials

Body and Cap	Fabricated Steel ASME VIII division I - ASTM A106 GrB / ASTM A516 Gr60 / ASTM A105
Cap Gasket	Compressed Non-Asbestos
Bolts	SA - 193 gr B7
Inlet Valve Assembly	Stainless Steel
Vent Valve Assembly	Stainless Steel
Valve Assembly Washers	Zinc-Plated Steel
Mechanism Assembly	Cast Stainless Steel
Plug	Steel
Springs	Inconel X-750

Table CRE-233-2. EPT-200 Pumping Trap Connection Sizes

	EPT-204	EPT-206
Inlet	DN 25	DN 40
Inlet Check Valve	DN 25	DN 40
Outlet	DN 25	DN 40
Outlet Check Valve	DN 25	DN 40
Motive Valve	1/2" BSPT	
Vent Valve	1" BSPT	
Body Drain	1/2" NPT	
Gauge Glass	1/2" BSPT	
Cycle Counter	1/2" BSPT	

Table CRE-233-3. EPT-200 Pumping Trap Capacities (300 mm Filling Head)

Motive Pressure	Total Lift or Back Pressure	EPT-204		EPT-206	
		DN 25 x DN 25		DN 40 x DN 40	
		Steam	Air	Steam	Air
bar	bar	kg/h	kg/h	kg/h	kg/h
1,0	0,35	980	1 145	1 470	1 635
1,7		1 105	1 250	1 740	1 905
3,5		1 200	1 360	1 850	1 960
5,0		1 240	1 470	1 905	2 015
7,0		1 290	On request	1 960	On request
8,5		1 320	On request	2 015	On request
1,7	1,0	815	1 090	1 305	1 470
3,5		1 090	1 225	1 740	1 850
5,0		1 145	1 360	1 795	1 905
7,0		1 180	On request	1 825	On request
8,5		1 200	On request	1 850	On request
2,5	1,5	820	925	1 150	1 250
3,5		930	1 090	1 310	1 415
5,0		1 050	1 250	1 470	1 580
7,0		1 130	On request	1 600	On request
8,5		1 275	On request	1 650	On request
3,5	3,0	760	925	850	1 090
4,0		815	1 090	1 090	1 250
5,0		925	1 200	1 250	1 360
7,0		980	On request	1 375	On request
8,5		1 045	On request	1 430	On request
4,5	4,0	625	1 090	750	1 090
5,0		720	1 250	900	1 250
7,0		900	On request	1 200	On request
8,5		935	On request	1 280	On request

Note: Above capacities are the results of **actual** steam testing using a minimum 93°C condensate. Published capacities are based on the use of external check valves supplied by Armstrong. Fill head measured from drain point to top of pump cap. Discharge per cycle: 19 liters. Shadow shows cells used for the selection example on page CRE-225.

Table CRE-233-4. EPT-200 Capacity Conversion Factors for other Fill Heads

Model	Filling Head (mm)				
	0	150	300	600	900
EPT-204	0,65	0,90	1,00	1,20	1,30
EPT-206	0,65	0,90	1,00	1,20	1,30

Note: Filling head is measured from drain of receiver to top of pump's cap.

Options

- Gauge Glass Assembly with Guards (Brass or Cadum Plated Carbon Steel)
- Digital Cycle Counter (Open or Closed Systems; with or without Auxiliary contacts)
- Insulation Jacket

This pump might be suitable for special applications. Please consult factory

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