



CONDENSATE POT / SEAL POT

CONDENSATE POTS are used to catch and hold condensate and foreign material. This helps keep manifold orifices clean and free of foreign material. They are located upstream of the instrument and have a bottom drain so that they may be cleaned.

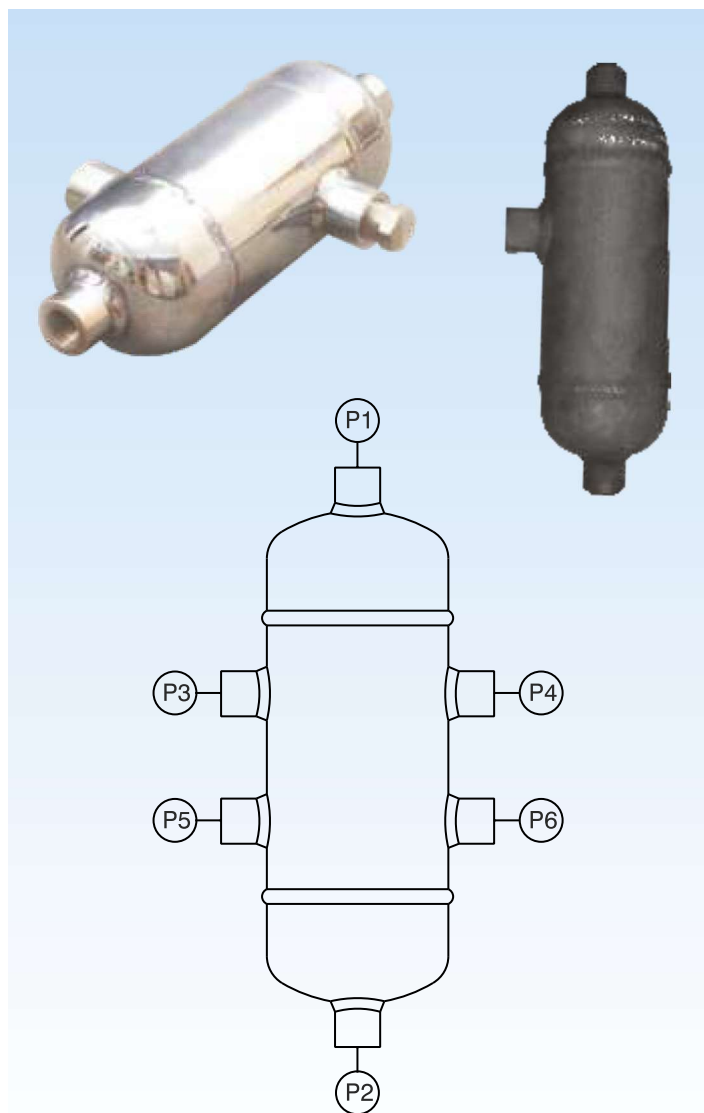
The condensate pots are available in a range of materials.

Installation can be either vertical or horizontal lines between primary (Flow Meter) and the secondary (transmitter/ gauge) to act as a barrier to the line fluid permitting direct sensing of the flow conditions. Units should be mounted at the same level minimizing possible error that could arise due to unequal head of fluid in the connecting pressure lines.

Typical industry applications include: refineries, Power Plants, Chemical and Petrochemical, Steel Plants and other process industries.

SEAL POTS (sometimes called condensate pots) are used to allow a liquid seal between the instrument and flowing gases such as steam. Their function is to keep the liquid level constant in the impulse tubes. For example, in boiler liquid level applications the high pressure (HP) side of a differential pressure transmitter is connected to the vapor space on top of the steam drum. Steam condenses in the chamber or seal pot and fills the impulse line with condensate. The seal pot is located to allow the condensate to drain back to the source thus keeping the liquid level constant.

NOTE: Seal and Condensate chambers are considered to have the same pressure rating as ASTM 106 Gr.B pipe of the same thickness. This pressure varies depending on the location and code being used. Unless otherwise specified, 50 bar is a minimum rating provided. Temperature rating will depend on material selected & working pressure as per pipe standards.



Specification (Size)

Type	Size	Pipe Schedule	Ø (mm)	Length (mm)	Approx. Capacity (l)
A	2 1/2"	80 mm	73	245	0.5
B	3"	40 mm	88.9	280	1.0
C	3"	80 mm	88.9	280	0.9
D	4"	80 mm	114.3	350	2.5
E	4"	160 mm	114.3	350	1.7
F	6"	80 mm	168.3	430	5.5
G	6"	160 mm	168.3	430	4.2

Note: Above values are provided only as a guide. Many other combinations of schedules and lengths can be provided to match your requirements.

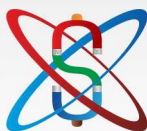
Note

All the Condensate / Seal Pot mentioned in this catalogue are our standard design. If the standard items do not meet your requirements, we can modify them to meet your specifications and would appreciate the opportunity of making suggestions to cover your application, based on engineering principles. SIGMA reserves the right to modify specification / design from time to time, which is deemed suitable for the product without prior intimation from time

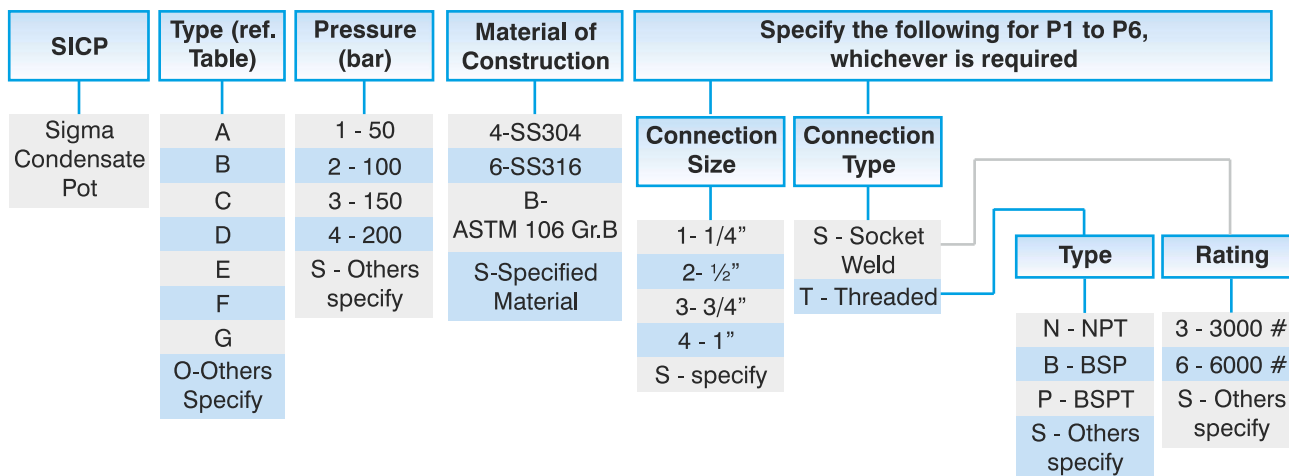


Available

IBR Approved
Condensate Pot



Model Number Coding for Condensate Pot



Model Decoding example: SICP - A - 1 - 4 - P1(1S3) - P2(1S3) - P3(2TN)

Sigma Condensate Pot, with

- Type A specification
- 50 bar pressure
- Material of Construction SS 304
- S3 304 Flange / Valve
- P1 - (1/4", SW 3000#)
- P2 - (1/4", SW 3000#)
- P3 - (1/2" NPT Thread)

Note

- Model Coding is categorized as per the specification of the product, for ease of selection and ordering.
- For ordering IBR approved product, mention "IBR" immediately after the Product code.
- In case of doubt, contact SIGMA for assistance in arriving at the model code / for specification.