



ASVIN CONDENSATE POTS

For Process Industries



ASIAN INDUSTRIAL VALVES AND INSTRUMENTS make Condensate chambers, also known as seal pots and condensate drip pots, are welded pressure vessels that allow instruments and valves to be attached in line with routed tubing to allow for line sampling, elimination of fluid, and other processes.

ASVIN Condensate pots are used to protect sensitive metering systems and devices by trapping and holding condensate and foreign material that may accumulate in gaseous service lines.

ASVIN condensate chambers are also used as a liquid barrier between the mainline and the secondary instruments to prevent steam, vapours, and corrosive/viscous process fluids from reaching those instruments. **ASVIN** also provide custom pots based on customer requirements.

Condensate pots materials

Seal pots/Condensate chambers are available in carbon steel to ASTM A 106, Stainless Steel to ASTM A312 and other alloys. P-91, P-21, P-11 are common materials **ASVIN** work with to withstand higher temperatures and pressures. **ASVIN** recommend using stainless steel for drip pots because of its long-lasting characteristics. Carbon steel is the most cost-effective material used, and hot dipped galvanizing is an option to prolong the life of a carbon steel pot.

ASVIN Condensate pots sizes and connections

Standard pipe sizes are 1" to 6". Connections are FNPT, socket weld and butt weld.



Pressure Testing for ASVIN Condensate Chambers

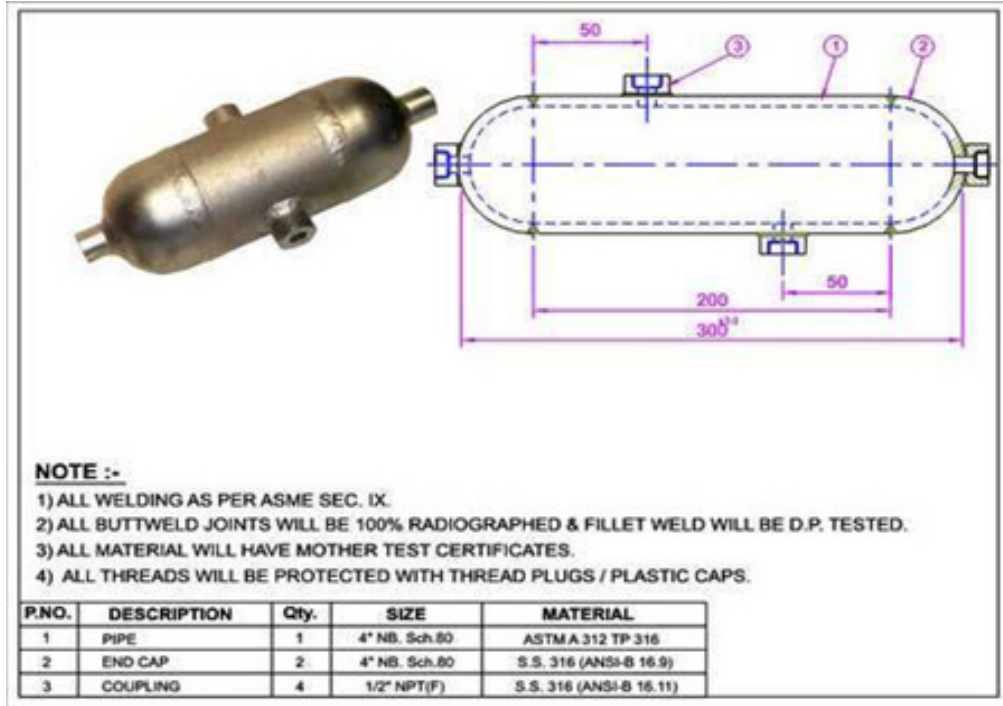
ASVIN condensate pot manufacturing ensures the vessels are to ASME standards. Pressure testing is part of the ASME standards that **ASVIN** follows when building chambers. Each chamber is tested to a pressure determined based on the material type and the thickness.

NDT for ASVIN Condensate Chambers

When requested, x-ray and dye penetrate testing can be performed to record film that shows that there are no non-unions and pinholes that would leak or weaken the state of the material while under high pressure and temperature.

Technical Specification of ASVIN Condensate Chambers

- Standard size: Pipe size 2", 3", 4", 6" and larger size upon request.
- Standard length: Pipe length 8", 10", 12", and larger length upon request.
- Working pressure: 6000 PSIG (41.34 MPa).
- Standard Material of construction: P91, P21, P11, 316SS, 321SS, 304SS, C.S., A106 Gr B.
- Optional Sour Gas service valves are available, conforming to NACE Std. MR-01-75.
- Pipe Schedule: 40, 80, 160, seamless pipe.
- Chamber as per ISA RP3.
- NPT as per ANSI B2.1 taper pipe thread
- Socket weld as per ANSI B16.11
- Butt weld as per ANSI B16.9
- All chambers are 100% factory tested prior to shipment.



Features of ASVIN Condensate Pots

- Use as liquid or condensate traps, seal pots, vapor chambers and knockout pots.
- All connectors are furnished with plastic plugs
- Chambers are made from seamless pipe and weld caps. All pipe connections are 3000 half-couplings mounted on 90° angle. Extra connections can be furnished upon customer request.
- All welding as per ASME SEC. IX.
- All butt weld joints will be 100% radiographed and fillet weld will be D.P. tested.
- All carbon steel condensate pot will be hot dip Galvanised.
- All threads will be protected with dead plugs/plastic caps.

Installing ASVIN condensate pots

1. Connect the condensate pots to the high pressure (HP) and low pressure (LP) impulse lines of the transmitter.
2. Install the pots horizontally, although you can install vertically too.
3. Make sure you install both at the same level to avoid affecting meter performance.



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