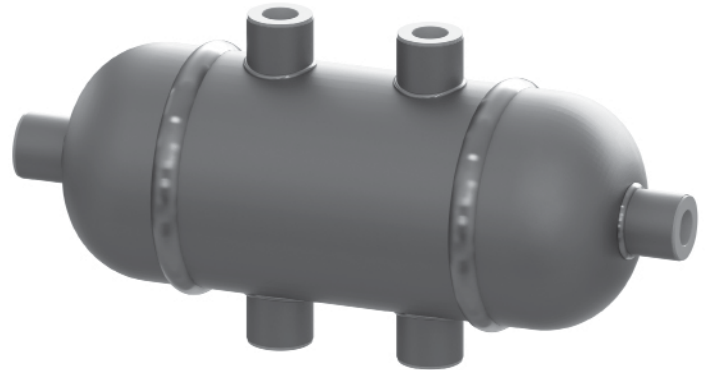


## Condensate Pots

Condensate pots condense steam into a liquid trapping any foreign material from the pipeline, preventing damage to the sensitive instrumentation components. They also keep the liquid levels unaltered with overflow and collect air from the system. The condensate in the condensate pot transmits the pressure to the transmitter at a reduced temperature while keeping foreign material from clogging small instrument sensing lines.



## Features and Benefits

- Seamless pipe construction
- Constructed to ASME standards
- Multiple coupling configurations
- Wide range of pressure ratings
- Can be fitted with optional bleed valve
- Heat code traceability
- Welding per ANSI section IX
- Materials of construction to have certification papers

## Technical Specifications

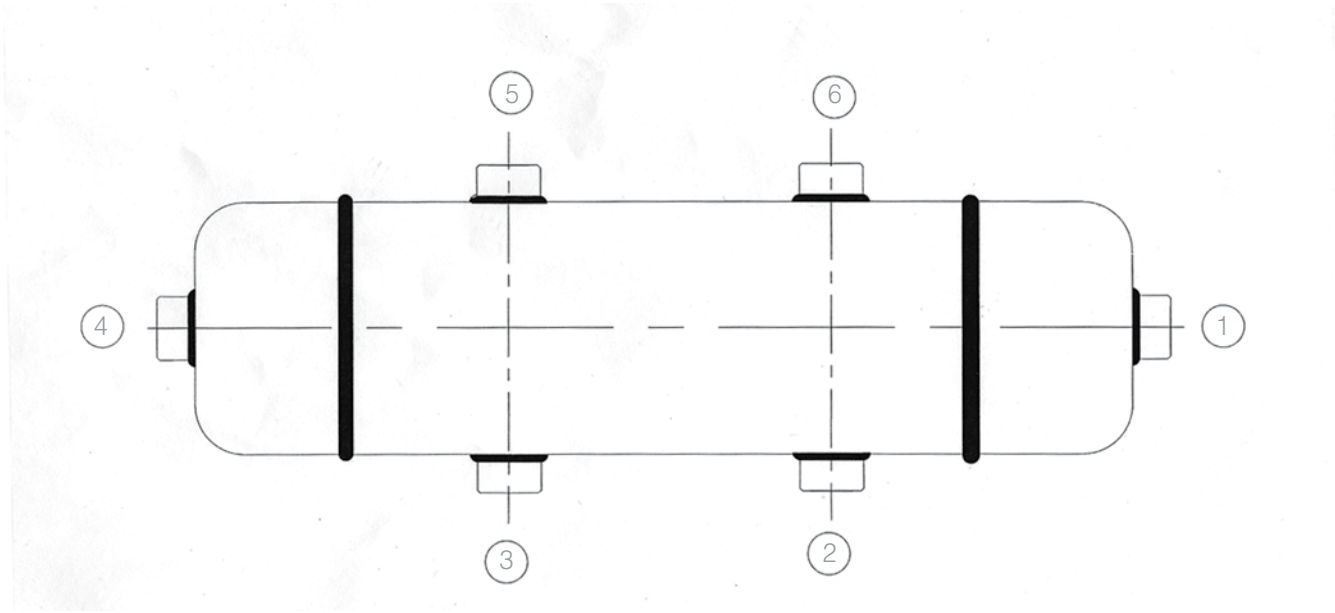
- Stainless steel and carbon steel construction
- American standard pipe sizes from 3" to 6" dia. (actual diameter 3-1/2" — 6-5/8")
- Pipe schedule 40, 80, 160, XXS available
- NPT as per ANSI B2.1 pipe taper thread 1/2" standard, others available
- Socket weld couplings as per ANSI B16.11
- 100% of pots are hydrostatic test up to 150% of pressure rating

## Product Availability

- Material - 316/316L Stainless Steel or A106 Carbon Steel
- 1/2" FNPT connections standard on couplings, others available

## Specials available upon request

- Exotic materials
- Weld testing
- Non-typical geometry
- Hot dip galvanize on carbon steel pots
- Large pipe diameters
- Sour gas service conforming to NACE standard



Material Equivalencies	Shell	End Caps	Coupling
Carbon Steel	A106	A234	A105
316 Stainless Steel	A312 TP316	A182 F316, A240 316	A182 F316

### Material/Pressure/Temperature Table

Material	Schedule 40 Pressure Test		Schedule 80 Pressure Test		Schedule 160 Pressure Test		Schedule XXS Pressure Test	
	Kg/cm <sup>2</sup>	PSI	Kg/cm <sup>2</sup>	PSI	Kg/cm <sup>2</sup>	PSI	Kg/cm <sup>2</sup>	PSI
A106 Gr. B	105	1500	210	3000	420	6000	630	9000
A312 TP316	105	1500	210	3000	420	6000	630	9000

*Note: Richards Industries Engineering department will generate technical drawings for most condensate pot orders. Customer approval of conpot design and materials of construction are required before ordering materials.*

**Ordering Schematic**

Model No.	1	2	3	4	5	6	7	8	9
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**CONPOT**

1	Approx. Volume	Nominal Pipe Size
1	0.5 L	3.0
2	1.0 L	3.0
3	1.5 L	3.5
4	2.0 L	4
5	3.0 L	5
6	5.0 L	6

**2 Connection Location (1)**

1	1/4" FNPT
2	1/2" FNPT
3	3/4" FNPT
4	1" FNPT
5	1/4" FSW
6	1/2" FSW
7	1/4" BSPT
8	1/2" BSPT
Z	Other (User Spec)

**3 Connection Location (2)**

1	1/4" FNPT
2	1/2" FNPT
3	3/4" FNPT
4	1" FNPT
5	1/4" FSW
6	1/2" FSW
7	1/4" BSPT
8	1/2" BSPT
0	Not Required
Z	Other (User Spec)

**4 Connection Location (3)**

1	1/4" FNPT
2	1/2" FNPT
3	3/4" FNPT
4	1" FNPT
5	1/4" FSW
6	1/2" FSW
7	1/4" BSPT
8	1/2" BSPT
0	Not Required
Z	Other (User Spec)

**5 Connection Location (4)**

1	1/4" FNPT
2	1/2" FNPT
3	3/4" FNPT
4	1" FNPT
5	1/4" FSW
6	1/2" FSW
7	1/4" BSPT
8	1/2" BSPT
0	Not Required
Z	Other (User Spec)

**6 Connection Location (5)**

1	1/4" FNPT
2	1/2" FNPT
3	3/4" FNPT
4	1" FNPT
5	1/4" FSW
6	1/2" FSW
7	1/4" BSPT
8	1/2" BSPT
0	Not Required
Z	Other (User Spec)

**7 Connection Location (6)**

1	1/4" FNPT
2	1/2" FNPT
3	3/4" FNPT
4	1" FNPT
5	1/4" FSW
6	1/2" FSW
7	1/4" BSPT
8	1/2" BSPT
0	Not Required
Z	Other (User Spec)

**8 Material**

1	316 SS
2	Carbon Steel
Z	Other

**9 Pipe Sch. \***

1	SCH 40
2	SCH 80
3	SCH 160
4	SCH XXS
Z	Other

\* See page 2 for pressure ratings