

Condensate Pots

Maximum Working Pressure upto
6000 psi (414 bar)



Introduction

PANAM[®] has emerged as renowned name in Global market for 'Instrumentation Fittings & Valves'. Since its inception in 1998 to present day, **PANAM**[®] has added new product every year and has broadened its product portfolio and its clientele base by supplying to potential customers worldwide. Key core values like Timely Delivery, Quality Consistency, Product Improvisation and after sales service has been instrumental in the phase wise evolution of company. Continuous improvement is the key to success, Customer feedback are taken with positive attitude and product are constantly groomed to a new quality and performance level to cope up with the competition. Our products are known for providing high-quality, high-reliability, low-cost options for the oil and gas industry. Over the year, the company has evolved from a product based company to a complete system solution provider. Over the coming years the entity of the company will attain state of the art operational efficiency for maintaining a competitive edge, with the advent increase in the utilization of its products in oil, gas and power sector.

PANAM[®] is having state of the art manufacturing facility span over an area of 65,000 sqft with a fleet of CNC machines, VMC machines, Semi-Automatic Lathe machines, High pressure test bench with SCADA control, Configuration centre for transmitters and dedicated R&D Team.

PANAM[®] offers a large variety of Condensate Pots from Stainless Steel & Other Alloys. **PANAM**[®] offers Condensate Pots with a volume from 0.5 to 4 liters with different thread connections (NPT tapered female) or weld connections.

PANAM[®] product meets and the requirements of ASME and MSS Series Standards. All materials are supplied in compliance with ASTM Specifications and verified by NABL approved third party laboratories. Condensate Pots are subject to 100% factory testing, comply with NACE MR0175 and NACE MR0103, with Heat Code Traceability. Maximum working pressure up to 6000 psi (414 bar).

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Features

- Used as liquid or condensate traps, sealed vessels, steam chambers and a separation chamber.
- Chambers are made from seamless tube and welded bonnets.
- Tungsten arc welding of the seam provides high strength and tightness.
- Weld seams are X-ray tested.
- The branch ports in the form of half-couplings made at a 90 degree angle.
- The ratings of the half-coupling are selected based on the ratio of the fitting class to the gauge number or seamless pipe wall thickness as specified in ASME B16.11 for socket and threaded connections.
- Additional port connections can be provided upon request.
- **PANAM**[®] high-quality ball valves and needle valves can be installed at the outlets and drain.

Technical Characteristics

- Pipe size NPS 2 (DN15), NPS 3 (DN80), NPS 4 (DN100) or larger (upon request).
- Pipe size 40, 80, 160, XXS - seamless tube.
- Temperature rating up to 200 °C (392 °F).
- Working pressure up to 6000 psi (414 bar).
- Various port connection
- Butt weld according to ANSI B16.9., socket welding according to ANSI B16.11.
- All NPT tapered threads are in accordance with ASME B1.20.1.
- Material - 316 SS, 304 SS, Carbon Steel. Other materials upon request.
- Possible from the materials for sour gas application in accordance with NACE MR0175 / ISO 15156 or NACE MR0103 / ISO 17495.
- Welds according to ASME BPVC Section IX by certified operators.
- Radiographic testing and dye-penetrant test.
- All condensate pots are tested prior to shipment to the customer.
- The hydrostatic test is carried out in clean water at a pressure of 1.5 times the working pressure.
- Pneumatic test is carried out in air / nitrogen environment at 500 psi.
- All products are traceable to the heat number.
- All threads s are protected by plastic caps.
- Laser marking when possible.
- Test reports according to EN10204 3.1B.

Connection Types and Sizes


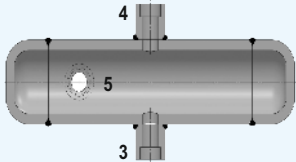
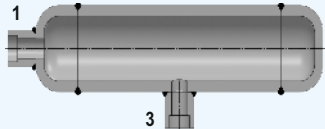
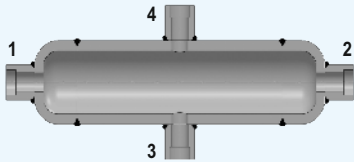
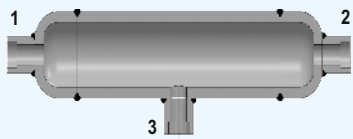
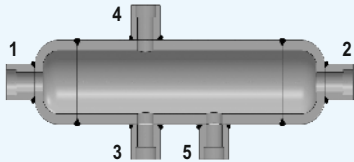
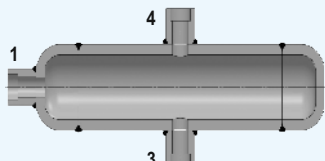
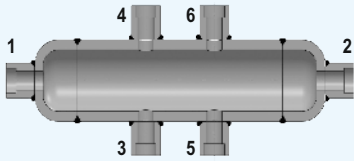
Connection Type		Size	Standard
For Welding	Socket Weld	1/2" (DN 15)*	ASME B16.11
	Buttweld		ASME B16.9
Threaded	NPT		ASME B1.20.1

* 1/2" is the standard end fittings. Other sizes are available on request

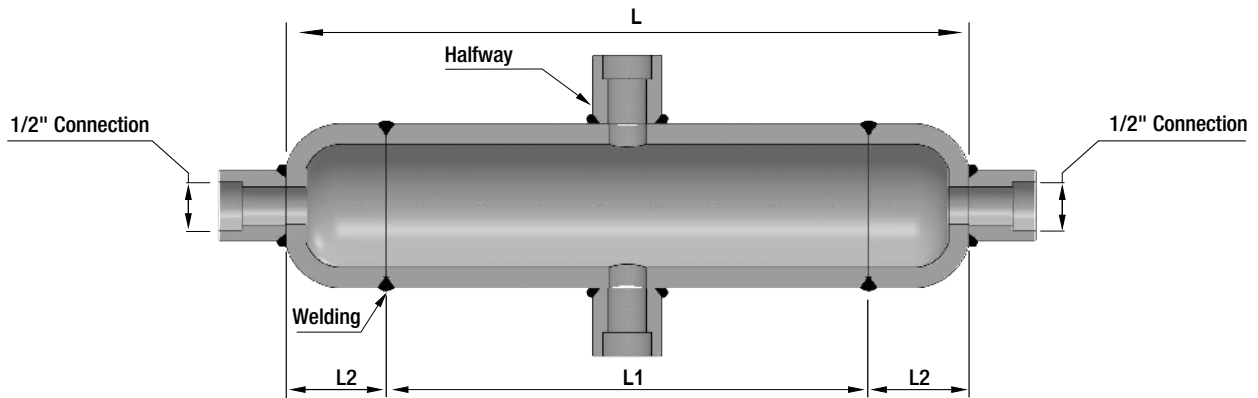
Materials

Material	Pipe	Bonnet	Half-Coupling
Carbon Steel	A106 Grade B	A234	A105
SS 316	A312 TP316	A182 F316, A240 SS316	A182 F316
SS 316L	A312 TP316L	A182 F316, A240 SS316L	A182 F316L
SS 304	A312 TP304	A182 F304, A240 SS304	A182 F304
SS 304L	A312 TP304L	A182 F304, A240 SS304L	A182 F304L
Ferritic Steel	A335 Grade P11	A182 F11	A182 F11
Ferritic Steel	A335 Grade P12	A182 F12	A182 F12
Ferritic Steel	A335 Grade P22	A182 F22	A182 F22

Configuration of Condensate Pots

Designation	Schematic Illustration	Designation	Schematic Illustration
2A		3C	
2B		4A	
3A		5A	
3B		6A	

Dimensions



Pipe size (DN)	Rating	Capacity	Part Number	Diameter	L1	L2	L
NPS 2-1/2 (DN 65)	80	1 Ltr.	P-CONPOT-1L-2-80-2A-8-NF-SS	60.3	563	38	639
	160	1 Ltr.	P-CONPOT-1L-2-160-2A-8-NF-SS		720		796
	XXS	1 Ltr.	P-CONPOT-1L-2-XXS-2A-8-NF-SS		1201		1277
	80	2 Ltr.	P-CONPOT-2L-2-80-2A-8-NF-SS		1158		1234
	160	2 Ltr.	P-CONPOT-2L-2-160-2A-8-NF-SS		1468		1544
	XXS	2 Ltr.	P-CONPOT-2L-2-XXS-2A-8-NF-SS		2424		2500
	80	3 Ltr.	P-CONPOT-3L-2-80-2A-8-NF-SS		1752		1828
	160	3 Ltr.	P-CONPOT-3L-2-160-2A-8-NF-SS		2215		2291
	XXS	3 Ltr.	P-CONPOT-3L-2-XXS-2A-8-NF-SS		3647		3723
	80	4 Ltr.	P-CONPOT-4L-2-80-2A-8-NF-SS		2346		2422
	160	4 Ltr.	P-CONPOT-4L-2-160-2A-8-NF-SS		2963		3039
	XXS	4 Ltr.	P-CONPOT-4L-2-XXS-2A-8-NF-SS		4870		4946
	80	5 Ltr.	P-CONPOT-5L-2-80-2A-8-NF-SS		2940		3016
	160	5 Ltr.	P-CONPOT-5L-2-160-2A-8-NF-SS		3711		3787
	XXS	5 Ltr.	P-CONPOT-5L-2-XXS-2A-8-NF-SS		6093		6195
NPS 3 (DN 80)	80	1 Ltr.	P-CONPOT-1L-3-80-2A-8-NF-SS	88.9	185	51	287
	160	1 Ltr.	P-CONPOT-1L-3-160-2A-8-NF-SS		242		344
	XXS	1 Ltr.	P-CONPOT-1L-3-XXS-2A-8-NF-SS		334		436
	80	2 Ltr.	P-CONPOT-2L-3-80-2A-8-NF-SS		420		522
	160	2 Ltr.	P-CONPOT-2L-3-160-2A-8-NF-SS		528		630
	XXS	2 Ltr.	P-CONPOT-2L-3-XXS-2A-8-NF-SS		707		809
	80	3 Ltr.	P-CONPOT-3L-3-80-2A-8-NF-SS		655		757
	160	3 Ltr.	P-CONPOT-3L-3-160-2A-8-NF-SS		815		917
	XXS	3 Ltr.	P-CONPOT-3L-3-XXS-2A-8-NF-SS		1080		1182
	80	4 Ltr.	P-CONPOT-4L-3-80-2A-8-NF-SS		889		991
	160	4 Ltr.	P-CONPOT-4L-3-160-2A-8-NF-SS		1101		1203
	XXS	4 Ltr.	P-CONPOT-4L-3-XXS-2A-8-NF-SS		1453		1555
	80	5 Ltr.	P-CONPOT-5L-3-80-2A-8-NF-SS		1124		1226
	160	5 Ltr.	P-CONPOT-5L-3-160-2A-8-NF-SS		1388		1490
	XXS	5 Ltr.	P-CONPOT-5L-3-XXS-2A-8-NF-SS		1826		1928
NPS 4 (DN 100)	80	1 Ltr.	P-CONPOT-1L-4-80-2A-8-NF-SS	114.3	70	64	198
	160	1 Ltr.	P-CONPOT-1L-4-160-2A-8-NF-SS		109		237
	XXS	1 Ltr.	P-CONPOT-1L-4-XXS-2A-8-NF-SS		145		273
	80	2 Ltr.	P-CONPOT-2L-4-80-2A-8-NF-SS		205		333
	160	2 Ltr.	P-CONPOT-2L-4-160-2A-8-NF-SS		276		404
	XXS	2 Ltr.	P-CONPOT-2L-4-XXS-2A-8-NF-SS		344		472
	80	3 Ltr.	P-CONPOT-3L-4-80-2A-8-NF-SS		340		468
	160	3 Ltr.	P-CONPOT-3L-4-160-2A-8-NF-SS		443		571
	XXS	3 Ltr.	P-CONPOT-3L-4-XXS-2A-8-NF-SS		542		670
	80	4 Ltr.	P-CONPOT-4L-4-80-2A-8-NF-SS		474		602
	160	4 Ltr.	P-CONPOT-4L-4-160-2A-8-NF-SS		609		737
	XXS	4 Ltr.	P-CONPOT-4L-4-XXS-2A-8-NF-SS		741		869
	80	5 Ltr.	P-CONPOT-5L-4-80-2A-8-NF-SS		609		737
	160	5 Ltr.	P-CONPOT-5L-4-160-2A-8-NF-SS		776		904
	XXS	5 Ltr.	P-CONPOT-5L-4-XXS-2A-8-NF-SS		939		1067

Class Designation for Couplings and Hexagonal Plugs

Pipe Used for Rating Basis		Fitting Class According to ASME B16.11	Fitting Type
Gauge Number	Wall Thickness		
40	STD	2000	Threaded
80	XS	2000	Threaded
160	-	3000	Threaded
-	XXS	6000	Threaded
40	STD	3000	Socket Welded
80	XS	3000	Socket Welded
160	-	3000	Socket Welded
-	XXS	3000	Socket Welded

Identification

Every condensate pot is identified with laser marking made on an austenitic stainless steel strip or directly onto the pipe of the condensate pot. The marking includes the following information:

Information	Sample (Translation)
Serial Number	PCDPT101255
Code Number	On Request
Description	Condensate Pot (Condensation vessel)
Material	Stainless Steel SS316L
Pressure Rating	LP 133 barg / HP 192 barg
Maximum Working Pressure	LP 133 barg / HP 192 barg
Testing Pressure	LP 199.5 barg / HP 288 barg
Temperature Range	From 0°C Min. to 200°C Max.
Outlet Size	1/2" NPT (F) (Internal Thread 1/2" NPT)
Date	Manufacturing Date
Manufacturer	PANAM [®]

Testing

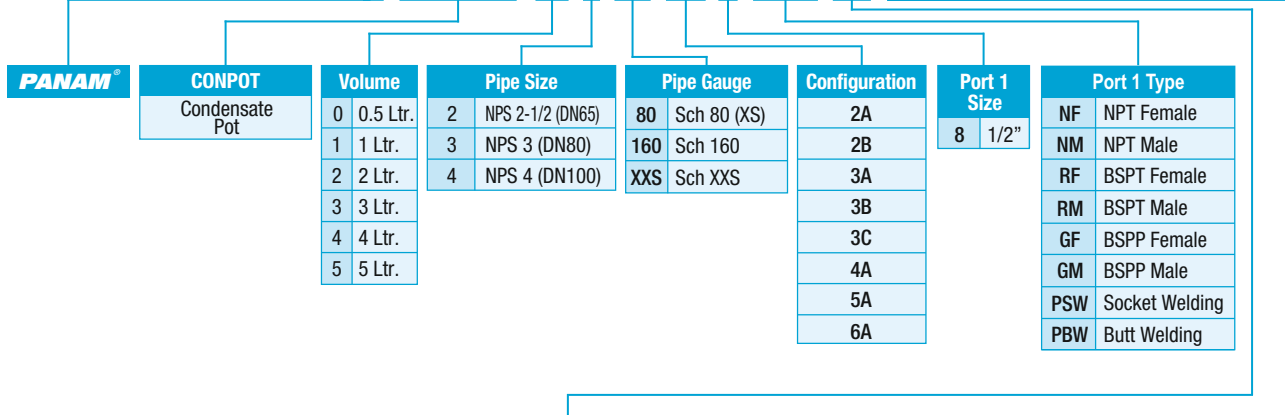
Every condensate pot is pneumatically tested in air / nitrogen at pressure 500 psi per sq. inch. The casing is hydrostatically tested in clean water at a pressure of 1.5 times above the operating pressure.

The following weld seam tests can be carried out on request:

- Welds test by dye-penetrant method according to ASME BPVC Section V Article 6 and certification - according to ASME BPVC Section VIII Division 1 Appendix 8.
- Radiographic weld test according to ASME BPVC Section V Article 2 and certification - according to ASME BPVC Section VIII Division 1 UW-51.

Ordering Information

P-CONPOT-1L-2-80-4A-8-PSW-SS-HHP-SG



PANAM®

CONPOT
Condensate Pot

Volume	
0	0.5 Ltr.
1	1 Ltr.
2	2 Ltr.
3	3 Ltr.
4	4 Ltr.
5	5 Ltr.

Pipe Size	
2	NPS 2-1/2 (DN65)
3	NPS 3 (DN80)
4	NPS 4 (DN100)

Pipe Gauge	
80	Sch 80 (XS)
160	Sch 160
XXS	Sch XXS

Configuration
2A
2B
3A
3B
3C
4A
5A
6A

Port 1 Size	
8	1/2"

Port 1 Type	
NF	NPT Female
NM	NPT Male
RF	BSPT Female
RM	BSPT Male
GF	BSPP Female
GM	BSPP Male
PSW	Socket Welding
PBW	Butt Welding

HHP-SG

Material	
SS	Stainless Steel 316
SSL	Stainless Steel 316L
SS3	Stainless Steel 304
CS	Carbon Steel
P11	Ferrite steel A335-P11
P12	Ferrite steel A335-P12
P22	Ferrite steel A335-P22
Inc 625	Inconel 625
Inc 825	Inconel 825
HC	Hastalloy C276
6MO	UNS S31254
MO	Monel 400

Hexagonal Caps at Ports	
-	No
HHP	YES

Optional	
SG	NACE MR-01-75 / ISO 15156

NOTE:- Continuous product development from time to time necessitate changes in the details contained in this catalogue. **PANAM®** reserves the right to make such changes at their discretion and without prior notice. The Selection of a Condensate Pot for any application or system design must be considered to ensure safe performance. Condensate Pot function, rating, material compatibility, proper installation, operation and maintenance remain the sole responsibility of the system designer and the user. **PANAM®** accepts no liability for any improper selection, installation, operation or maintenance.

Notes

Other Products



2-3-5 VALVE MANIFOLDS



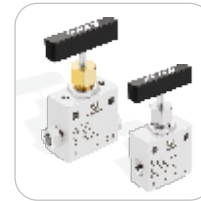
BELLOW SEAL VALVES



GAUGE ROOT VALVES



NEEDLE VALVES



HP NEEDLE VALVES



BALL VALVES



HP BALL VALVES



DOUBLE BLOCK & BLEED VALVES



MOND FLANGE VALVES



CHECK VALVES



RELIEF VALVES



FILTERS



TUBE FITTINGS



PIPE FITTINGS



HP PIPE FITTINGS



SWIVEL FITTINGS



JIC FITTINGS



WELD FITTINGS



HIGH PRESSURE FITTINGS



GAUGE SAVERS



PRESSURE GAUGES



TEMPERATURE GAUGES



PRESSURE TRANSMITTERS



TEMPERATURE TRANSMITTERS



PRESSURE REGULATORS



CONDENSATE POTS



AIR HEADERS



GRAB SAMPLING SYSTEM



PRE-FABRICATED HOOK UPS



FLANGE ADAPTERS



SWIVEL GAUGE ADAPTERS



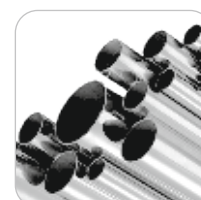
THERMOWELLS



BLEED PLUGS



DIE-ELECTRIC FITTINGS



TUBING



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