

Condensate Pots and Vessels

CP, SV Series



FITOK
Valves and Fittings

www.fitokgroup.com

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Condensate Pots

CP Series

CP series condensate pots are designed to trap condensate and foreign matter that may accumulate in gaseous service lines, and prevent damage to the sensitive instrumentation components. They are also effective for providing a liquid seal on steam and corrosive line, widely used in refineries, power plants, chemical and petrochemical, steel plants and other process industries.

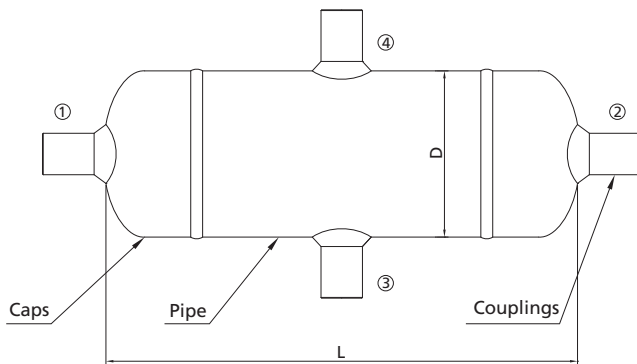
Features

- ⊙ Use as liquid or condensate traps, seal pots, vapor chambers and knockout pots.
- ⊙ Chambers are made from seamless pipe and weld caps.
- ⊙ Full-penetration gas tungsten arc-weld construction to ensure great strength and leak-tight performance.
- ⊙ Five pressure ratings optional

Technical Data

- ⊙ Working pressure up to: Class 2500
- ⊙ Socket weld connection as per ANSI B16.11
- ⊙ Butt welding ends as per ANSI B16.9
- ⊙ NPT as per ANSI B1.20.1 taper pipe thread
- ⊙ All chambers are factory tested fully prior to shipment
- ⊙ Standard material of construction: 316 SS, 304 SS, Carbon steel
- ⊙ Pipe schedule: 40, 80, 160, XXS seamless steel
- ⊙ Variety of end connections available

Materials of Construction



Material	Pipe	Cap
316 SS	TP316/A312	F316/A182
321 SS	TP321/A312	F321/A182
304 SS	304 SS/A312	F304/A182
CS	A106	A105
316L SS	TP316L/A312	F316L/A182
304L SS	TP304L/A312	F304L/A182


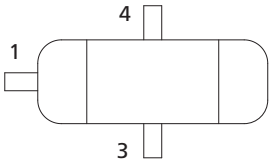
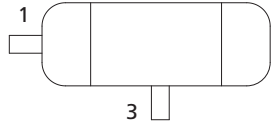
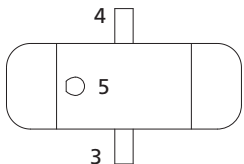
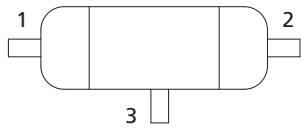
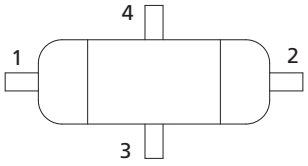
2 Condensate Pots and Vessels

Dimensions

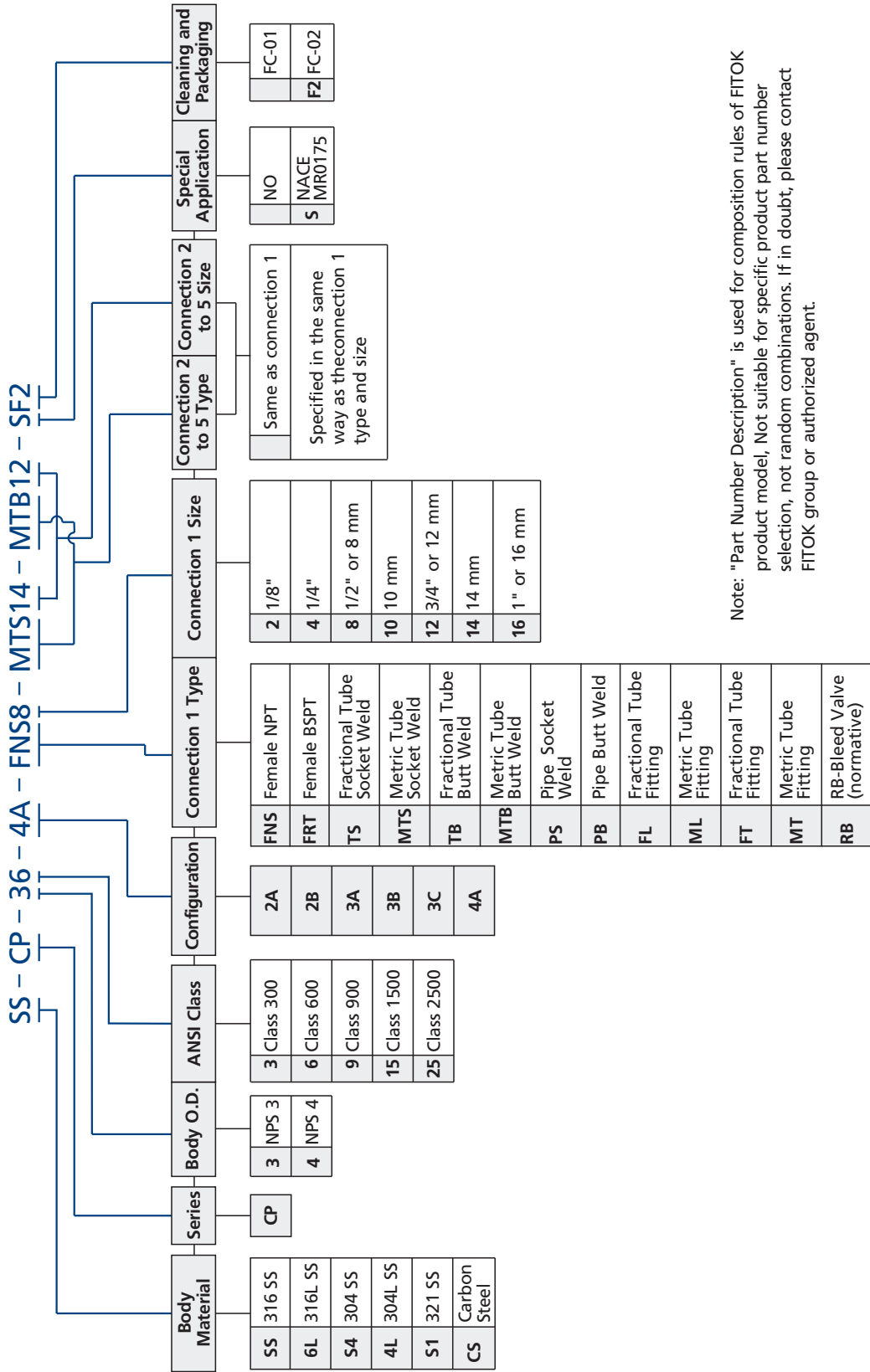
Dimension and capacity are for reference only and are subject to change.

Pipe	Ø D (mm)	L (mm)	Capacity (L)
NPS 3	88.9	215	0.8
NPS 4	114.3	360	2.6

Configuration

Designator	Schematic	Designator	Schematic
2A		3B	
2B		3C	
3A		4A	

Part Number Description



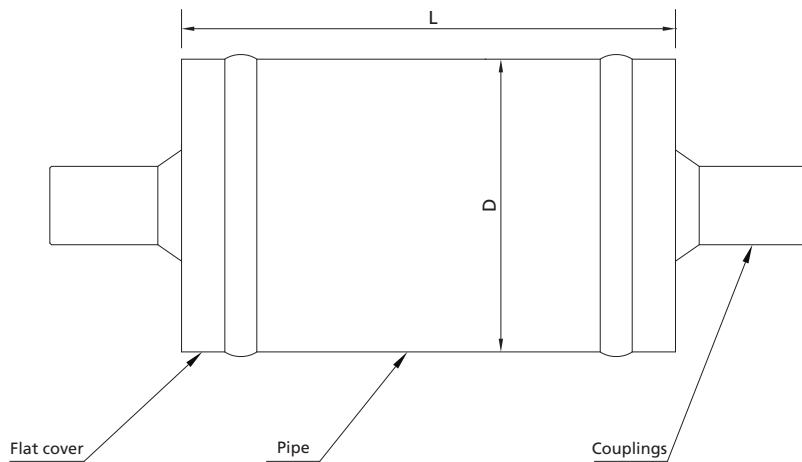
Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.

Vessels

SV Series

SV series vessels are designed to trap condensate and foreign matter that may accumulate in gaseous service lines, and purify gas media. They are often classified as condensation, isolation and separation vessels in different applications, widely used in refineries, power plants, petro-chemical and other process industries.

Materials of Construction



Material	Pipe	Flat cover
316 SS	TP316/A312	F316/A182
321 SS	TP321/A312	F321/A182
304 SS	304 SS/A312	F304/A182
CS	A106	A105
316L SS	TP316L/A312	F316L/A182
304L SS	TP304L/A312	F304L/A182

Dimensions

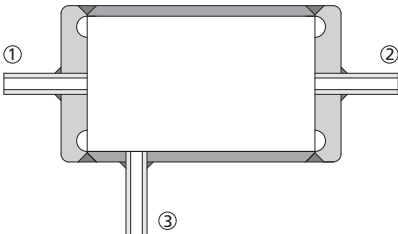
Dimension are for reference only and are subject to change.

Pipe	Ø D (mm)	L (mm)
NPS 3	88.9	150
NPS 4	114.3	

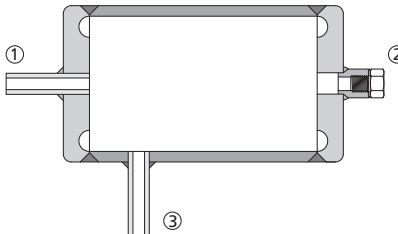
Configuration

Condensation Vessel

CV1

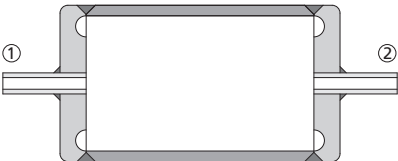


CV2

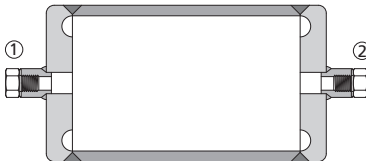


Separation Vessel

SV1

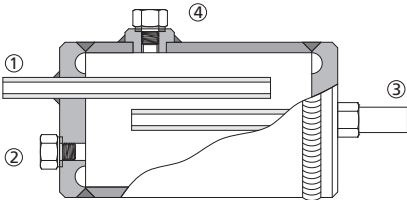


SV2

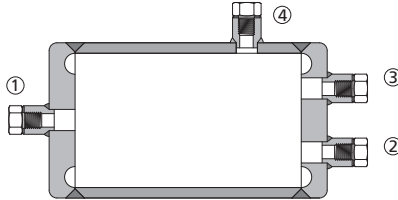


Isolation Vessel

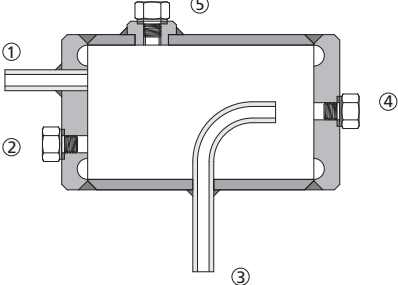
IV1



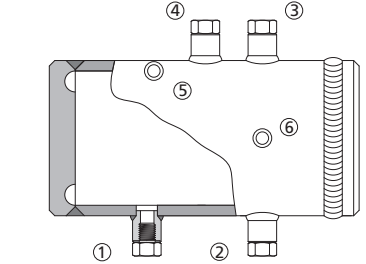
IV2



IV3



IV4

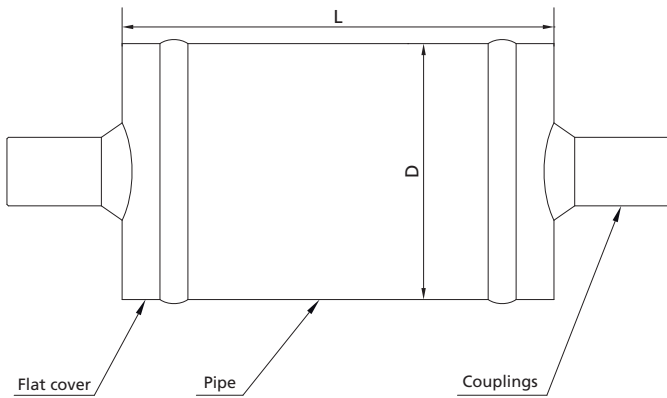


Vessels

SV Series

SV series vessels are designed to trap condensate and foreign matter that may accumulate in gaseous service lines, and purify gas media. They are often classified as condensation, isolation and separation vessels in different applications, widely used in refineries, power plants, petro-chemical and other process industries.

Materials of Construction



Material	Pipe	Flat cover
316 SS	TP316/A312	F316/A182
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CS	A106	A105
316L SS	TP316L/A312	F316L/A182
304L SS	TP304L/A312	F304L/A182

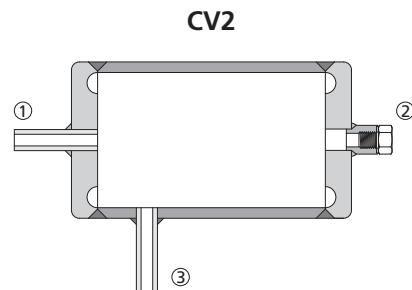
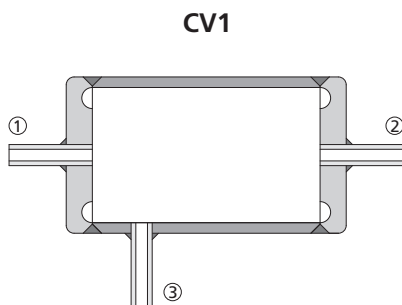
Dimensions

Dimension are for reference only and are subject to change.

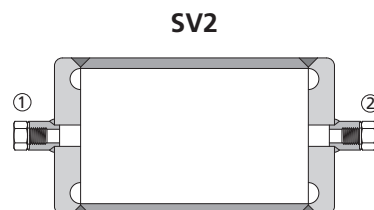
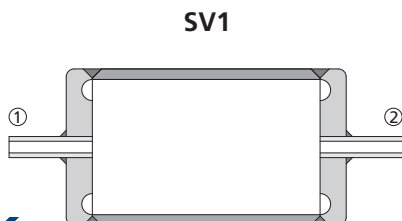
Pipe	Ø D (mm)	L (mm)
NPS 3	88.9	150
NPS 4	114.3	

Configuration

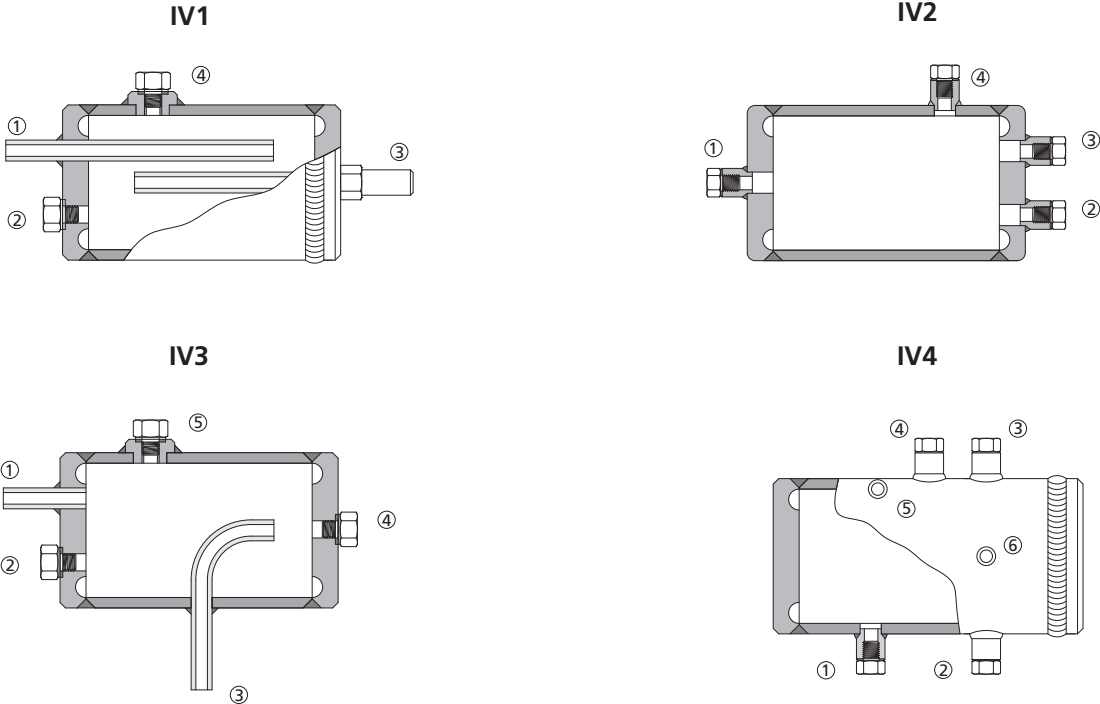
Condensation Vessel



Separation Vessel



Isolation Vessel



Part Number Description

SS - SV - 36 - CV1 - FNS8 - MTS14 - MTB12 - SF2

Body Material	Series	Body O.D.	ANSI Class	Configuration	Connection 1 Type	Connection 1 Size	Connection 2 to 6 Type	Connection 2 to 6 Size	Special Application	Cleaning and Packaging
SS 316 SS	sv	3 NPS 3	3 Class 300	CV1	FNS Female NPT	2 1/8"	Same as connection 1	Specified in the same way as the connection 1 type and size	NO	FC-01
6L 316L SS		4 NPS 4	6 Class 600		FRT Female BSPT	4 1/4"				
S4 304 SS			9 Class 900		TS Fractional Tube Socket Weld	8 1/2" or 8 mm				
4L 304L SS			15 Class 1500		MTS Metric Tube Socket Weld	10 10 mm				
S1 321 SS			25 Class 2500		TB Fractional Tube Butt Weld	12 3/4" or 12 mm				
11 P11					MTB Metric Tube Butt Weld	14 14 mm				
22 P22					PS Pipe Socket Weld	16 1" or 16 mm				
CS Carbon Steel					PB Pipe Butt Weld					
			FL Fractional Tube Fitting							
			ML Metric Tube Fitting							
			FT Fractional Tube Fitting							
			MT Metric Tube Fitting							
			RB RB-Bleed Valve (normative)							

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