

Condensate Pots and Vessels

CP, SV Series



FITOK
Valves and Fittings

www.fitokgroup.com

Contents

Condensate Pots

CP Series	01
-----------	----

Vessels

SV Series	04
-----------	----

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.

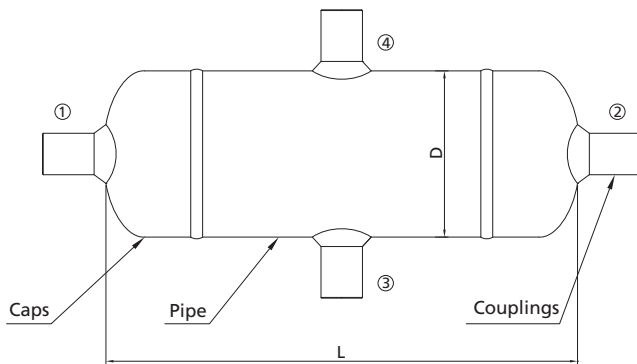
Features

- ⦿ 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

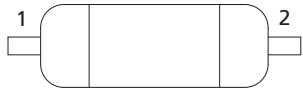
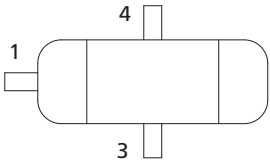
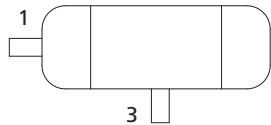
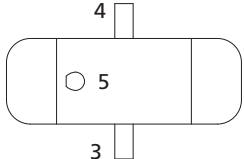
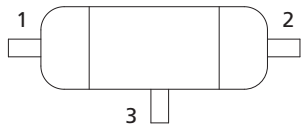
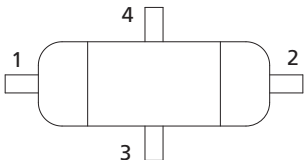
2 Condensate Pots and Vessels

Dimensions

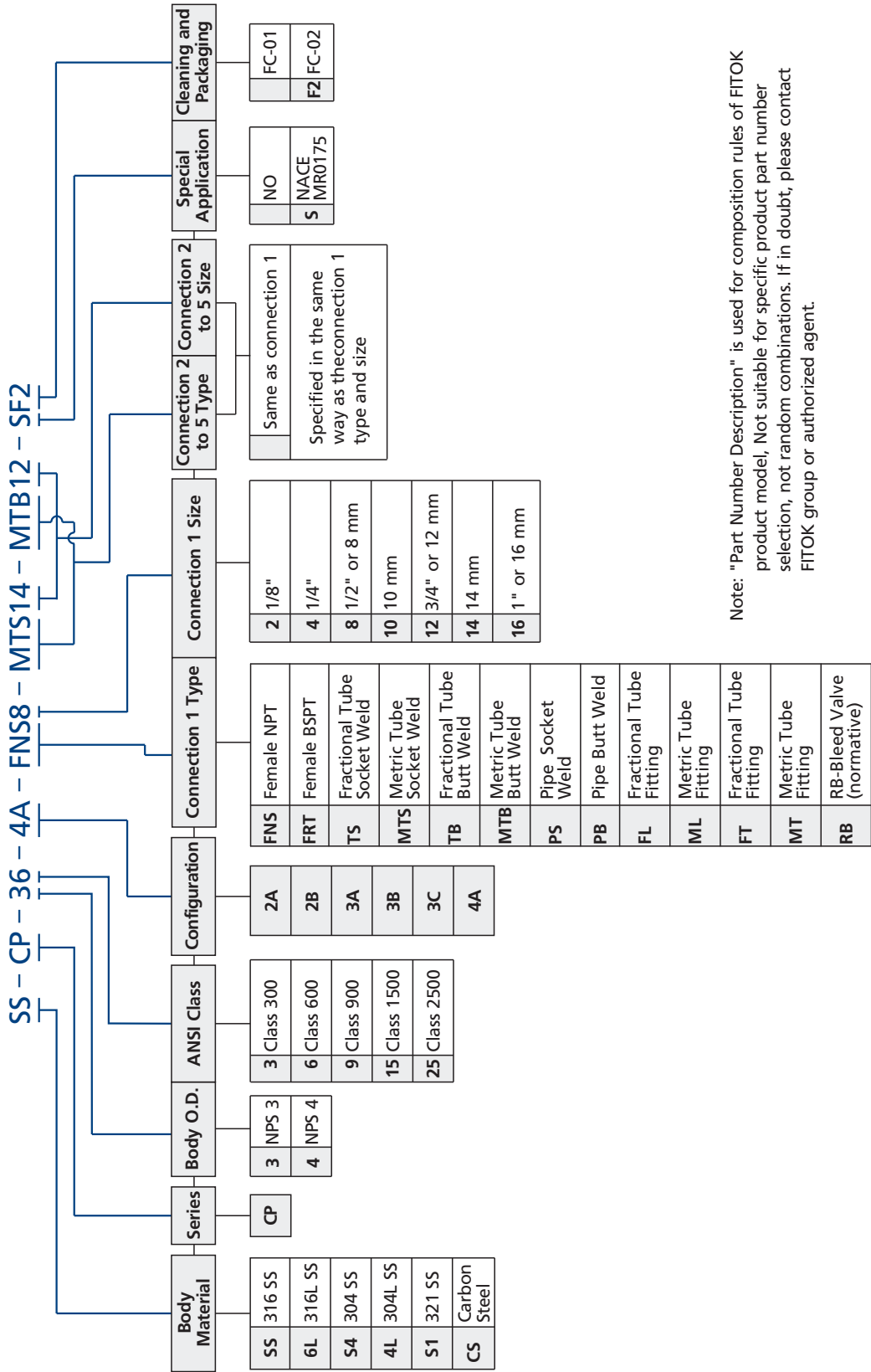
Dimension and capacity are for reference only and are subject to change.

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



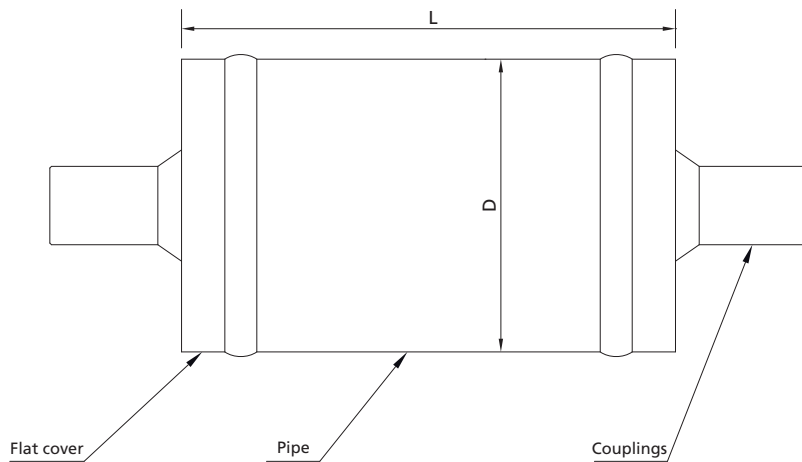
Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.

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

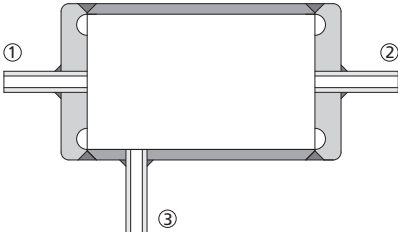
Dimension are for reference only and are subject to change.

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

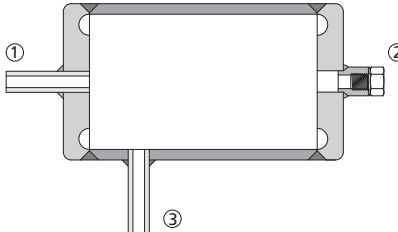
Configuration

Condensation Vessel

CV1

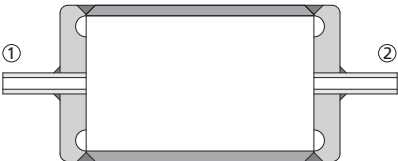


CV2

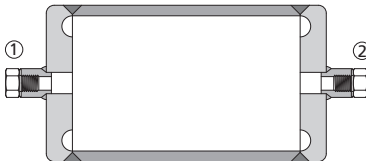


Separation Vessel

SV1

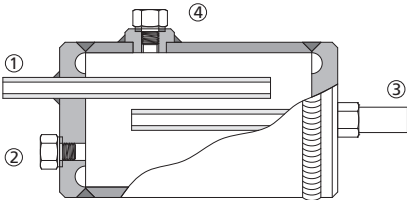


SV2

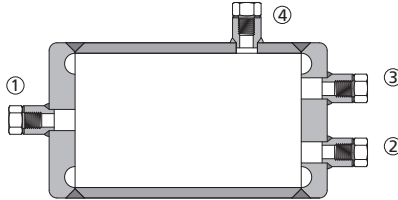


Isolation Vessel

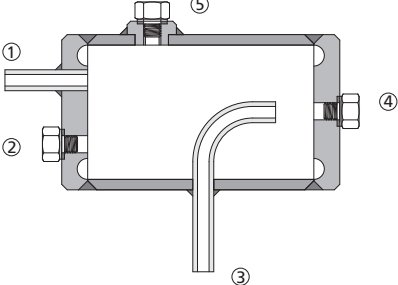
IV1



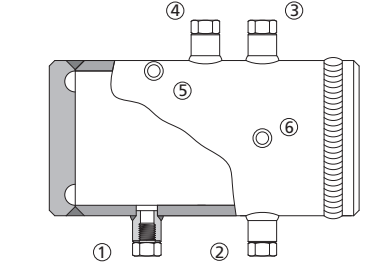
IV2



IV3



IV4

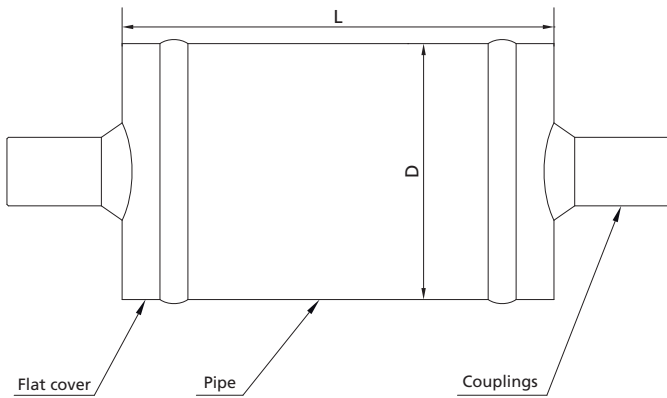


Vessels

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
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

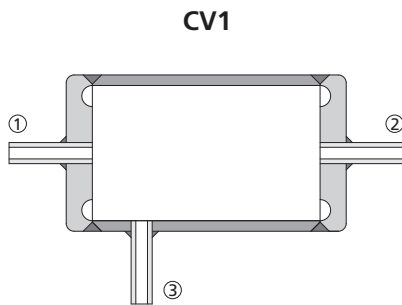
Dimensions

Dimension are for reference only and are subject to change.

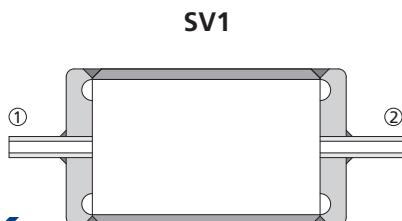
Pipe	Ø D (mm)	L (mm)
NPS 3	88.9	150
NPS 4	114.3	

Configuration

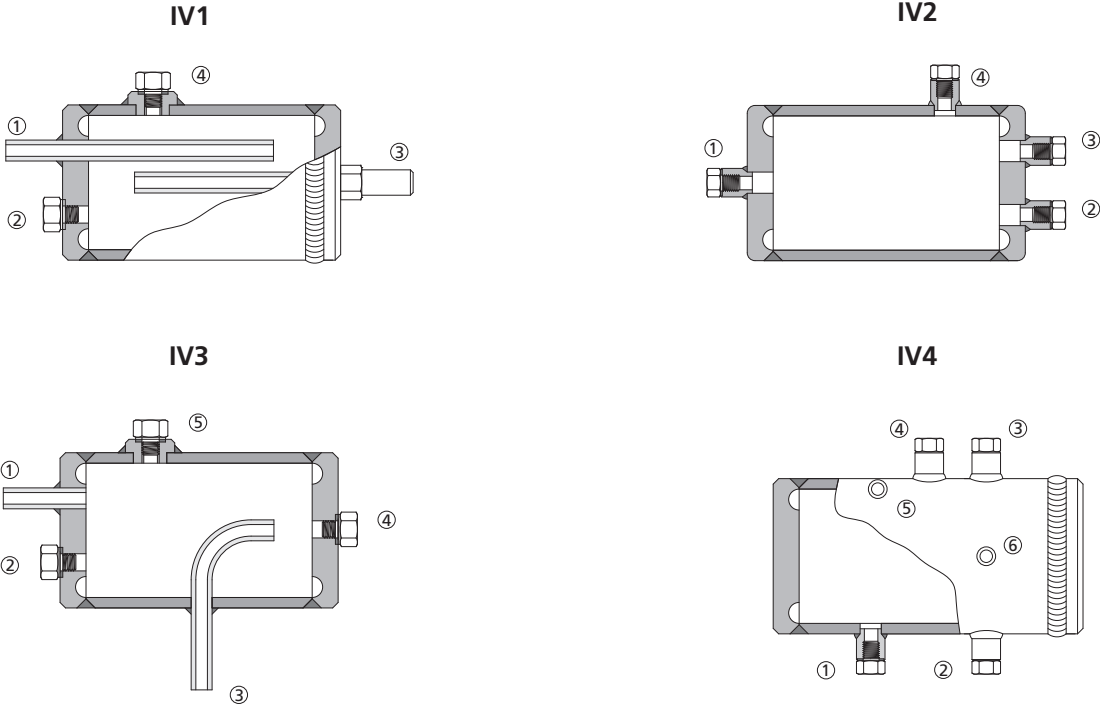
Condensation Vessel



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	CV2	FRT Female BSPT	4 1/4"			S NACE MRO175	F2 FC-02	
S4 304 SS		3	9 Class 900	15 Class 1500	SV1	TS Fractional Tube Socket Weld	8 1/2" or 8 mm	Same as connection 1	Specified in the same way as the connection 1 type and size	NO	FC-01
4L 304L SS					MTS Metric Tube Socket Weld	10 10 mm					
S1 321 SS					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		3	25 Class 2500	25 Class 2500	IV1	PB Pipe Butt Weld		Same as connection 1	Specified in the same way as the connection 1 type and size	NO	FC-01
	FL Fractional Tube Fitting										
	ML Metric Tube Fitting										
	FT Fractional Tube Fitting										
	MT Metric Tube Fitting										
	RB RB-Bleed Valve (normative)										

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.

FITOK Group

FITOK GmbH (Headquarter)

Sprendlinger Landstr. 115, 63069 Offenbach am Main, Germany
Tel.: +49 69 8900 4498 Fax: +49 69 8900 4495

FITOK, Inc.

13843 North Promenade Blvd., Suite 750, Stafford, Texas 77477, USA
Tel.: +1 281 888 0077 Fax: +1 281 582 4051

FITOK Incorporated

Block C, Zone E, Yingtai Industrial Park, Dalang Street,
Longhua New District, Shenzhen, 518109, China
Tel.: +86 755 2803 2500 Fax: +86 755 2803 2619

FITOK Middle East Oil Equipment Trading LLC

208-209, Makateb Tower, Airport Road, P.O.Box 185412, Deira, Dubai, UAE
Tel.: +971 4 2959 853 Fax: +971 4 2959 854

info@fitokgroup.com
www.fitokgroup.com

FK-IC-GC-01-EN-150814