



شرکت فنی مهندسی
مبتکران برزین صنعت

MOBTAKERAN BARZIN SANAT CONSULTING ENGINEERS CO.

PAP

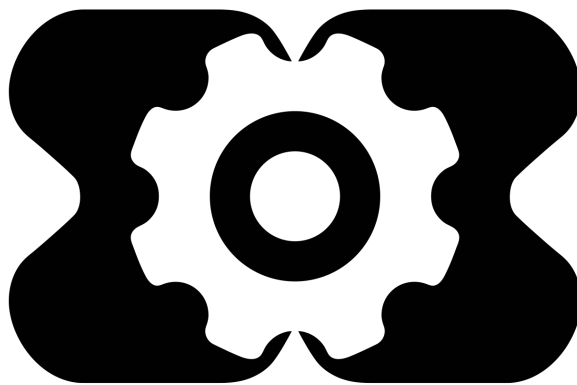
STRAINERS
CATALOGUE

مبتکران برزین صنعت
نماینده رسمی محصولات
PAP
در استان یزد





PAP Co.



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MOBTAKERAN BARZIN SANAT CONSULTING ENGINEERS CO.

Introduction:

PAP Co. is a high-tech manufacturing group. We have a strong focus on enhancing customer productivity and sustainability through our unique expertise and solutions for oil & gas refineries, petrochemicals, power plants and chemical industries. Our offering covers value chains and is based on extensive investment in research and development (R&D). our products category consists of mechanical instruments such as strainer, condensate pot, flange, pipe fitting, sample connections, sample cooler, sample point, seal pot , separation and filtration systems.

The manufacturing facilities – factories and workshops – a 24,000 square-meter is located in 5 different areas. Along with sales offices in the heart of Tehran city.

we apply our expert minds and collaborative ways of working with customers to build more resilient and stronger businesses trying to deliver different products category in a short possible time.

Due to ability of producing products in variety of materials, sizes, pressures and etc. all items can be manufactured according to customers' demand.

To support our customer's needs, PAP Co. owns supplying departments which import the best products related to its work field, from global companies and agents.

PAP Co is approved and listed among the Ministry of petroleum AVL (MOP AVL) and National petroleum company (NPC AVL). this clearly means the wide range of our products have been tested and used in refineries and petrochemical sites for several years and makes customers to do business with us with great confidence.



"Y" STRAINERS FORGED

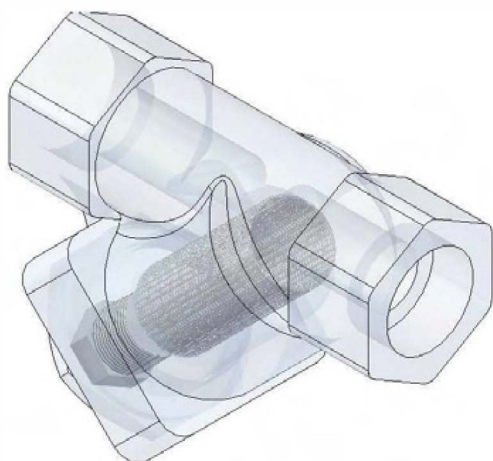
Our Y Forged Strainer section includes two different types of strainers.
In the following sections you can visualize the characteristics of the desired strainer.

FORGED STEEL "Y"

PAP

YSF800

Y-type strainer, forged, class 800



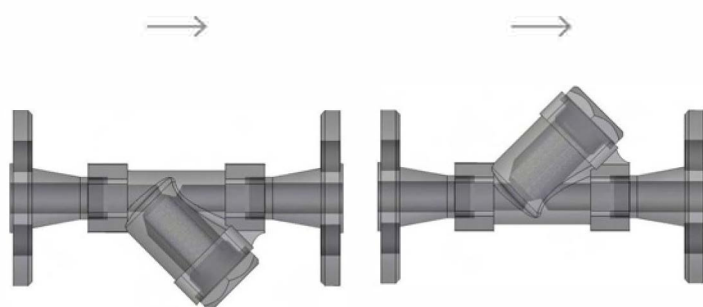
Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

Standard strainers are equipped with screens for the average service of most fluids (steam, gas, air, oil, chemicals, ect.).

A large screen open area ensures an efficient filtering action with a low pressure drop.

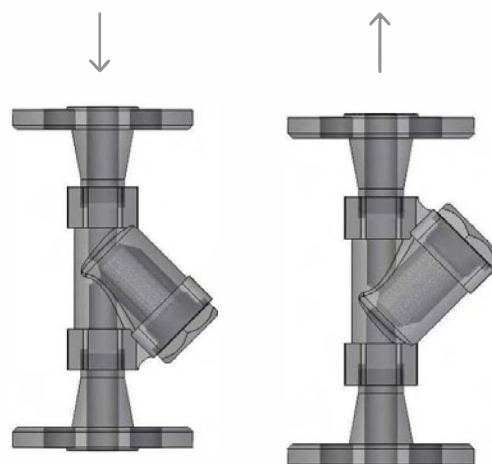
Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



CORRECT

WRONG

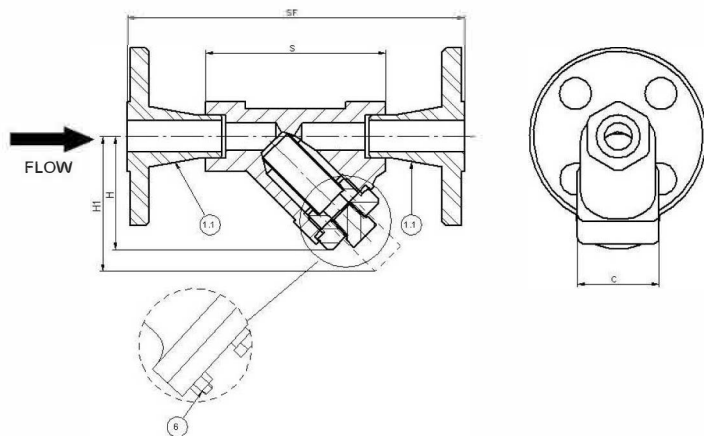


CORRECT

WRONG

All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

In horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline. In vertical pipelines "Y" - strainers should never be installed in upward flow condition.



LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)

F800 -ANSI 800.

OTHER RATINGS ON REQUEST

CONNECTIONS

Screwed	ANSI B1.20.1 (NPT) / BS21 (BSP)
Buttweld	ASME B 16.25
Socket Welding	ANSI B16.11
Flanged	ANSI / UNI / DIN

POS.	DESCRIPTION	MATERIALS		SPARES
1	Body	ASTM A105N	ASTM A182 F316	
1.1	Flange	ASTM A105N	ASTM A182 F316	
2	Screen	SS 316	SS 316	X
3	Plug	ASTM A105N	ASTM A182 F316	
4	Gasket	316 / GRAPHITE	316 / GRAPHITE	X
5	Drain plug	ASTM A105N	ASTM A182 F316	
6	Bolting	ASTM A193 B7/A 194 2H	ASTM A320 L7/ASTM A194 2Gr.4	

POS.6 (BOLTED COVER) : F800 2" ONLY
OTHER MATERIALS ON REQUEST

Flanged

Size (inches)	DRAIN PLUG	S	H	H1	C	Weight (kg)	UNI-DIN PN16-25-40		150#		300#		600#	
							SF	Kg	SF	Kg	SF	Kg	SF	Kg
3/8"	1/4"	90	60	85	41	1	-	-	-	-	-	-	-	-
1/2"	1/4"	90	60	85	41	1	150	2.6	165	2.3	165	2.8	165	3.2
3/4"	1/4"	110	75	100	46	1.2	170	4	191	3.2	191	4.3	191	4.7
1"	1/4"	130	93	140	56	2	200	4.4	216	4.2	216	5.3	216	5.8
1 1/2"	1/4"	180	144	200	85	6	240	11	241	9.7	241	15	241	12.9
2"	1/2"	185	140	200	100	7	230	13	292	12	292	15	292	16.3
2 1/2"	1/2"	185	140	200	100	7			282	16	294	18	308	20

STANDARD PERFORATIONS 0.8mm

SPECIAL PERFORATIONS ON REQUEST

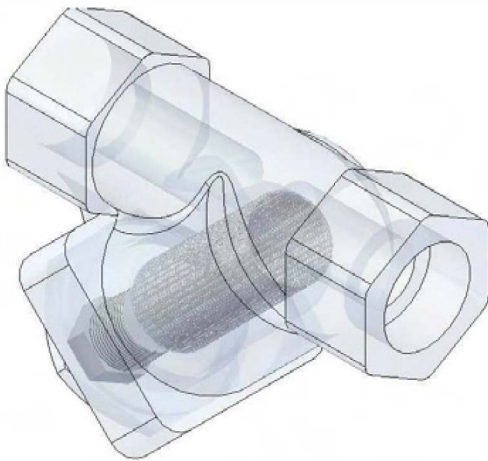
Dimensions : S, H , H1 , C , SF are in millimeters (mm)

HOW TO SERVICE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to be performed approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve on a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points here below: **1-** Be sure that the main line has been shut off. **2-** Remove cover (3) and gasket (4). **3-** Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken, bent or deformed screen.** **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. **7-** Put cover in place (3). Be sure that drain plug (5) is closed. **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.

FORGED STEEL "Y" PAP YSF1500

Y-type strainer, forged, class 1500



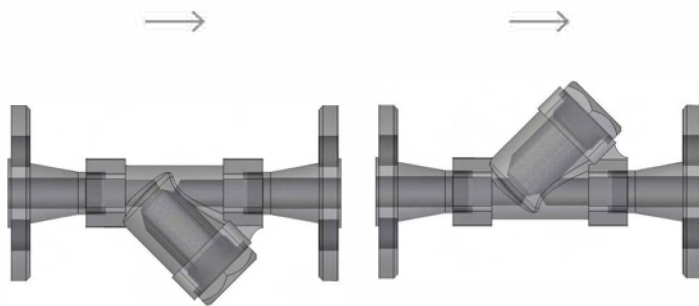
Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

Standard strainers are equipped with screens for the average service of most fluids (steam, gas, air, oil, chemicals, ect.).

A large screen open area ensures an efficient filtering action with a low pressure drop.

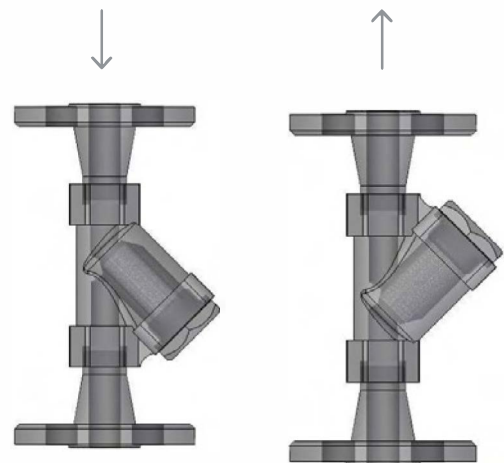
Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



CORRECT

WRONG

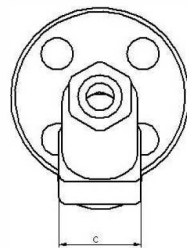
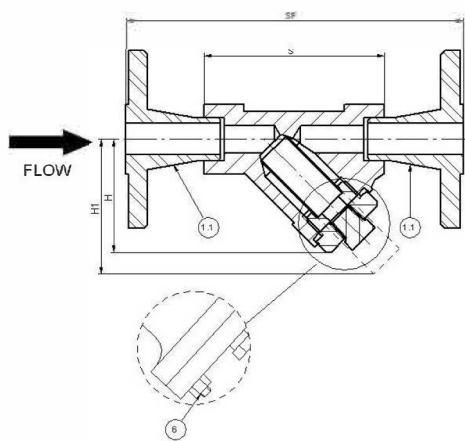


CORRECT

WRONG

All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

In horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline. In vertical pipelines "Y" - strainers should never be installed in upward flow condition.



LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)
F1500 – ANSI 1500.

CONNECTIONS

Screwed	ANSI B1.20.1 (NPT) / BS21 (BSP)
Buttweld	ASME B 16.25
Socket	Welding ANSI B16.11
Flanged	ANSI / UNI / DIN

POS.	DESCRIPTION	MATERIALS		SPARES
1	Body	ASTM A105N	ASTM A182 F316	
1.1	Flange	ASTM A105N	ASTM A182 F316	
2	Screen	SS 316	SS 316	X
3	Plug	ASTM A105N	ASTM A182 F316	
4	Gasket	316 / GRAPHITE	316 / GRAPHITE	X
5	Drain plug	ASTM A105N	ASTM A182 F316	
6	Bolting	ASTM A193 B7/A 194 2H	ASTM A320 L7/ASTM A194 2Gr.4	

POS.6 (BOLTED COVER) : F1500 1/2" ONLY
OTHER MATERIALS ON REQUEST

Flanged

Size (inches)	DRAIN PLUG	S	H	H1	C	Weight (kg)	1500# SF	Kg
1/2"	1/4"	110	75	100	46	1.4	216	5.5
3/4"	1/4"	130	93	140	56	2.2	229	7
1"	1/4"	180	144	200	85	6.2	254	13
1 1/2"	1/2"	185	140	200	100	7.5	305	19

STANDARD PERFORATIONS 0.8mm

SPECIAL PERFORATIONS ON REQUEST

Dimension : S, H, H1, C, SF are in millimeters (mm)

HOW TO SERVICE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve on a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Remove cover (3) and gasket (4). **3-** Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken, bent or deformed screen.** **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. **7-** Put cover in place (3). Be sure that drain plug (5) is closed. **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.



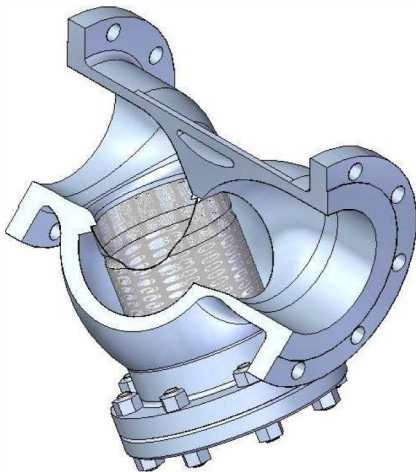
"Y" STRAINERS CAST

Our Y Cast Strainer section includes twenty different types of strainers.
In the following tabs you can visualize the table of the desired strainer.

CAST STEEL "Y" PAP

YSC150

(Y-type strainer, cast, class 150)

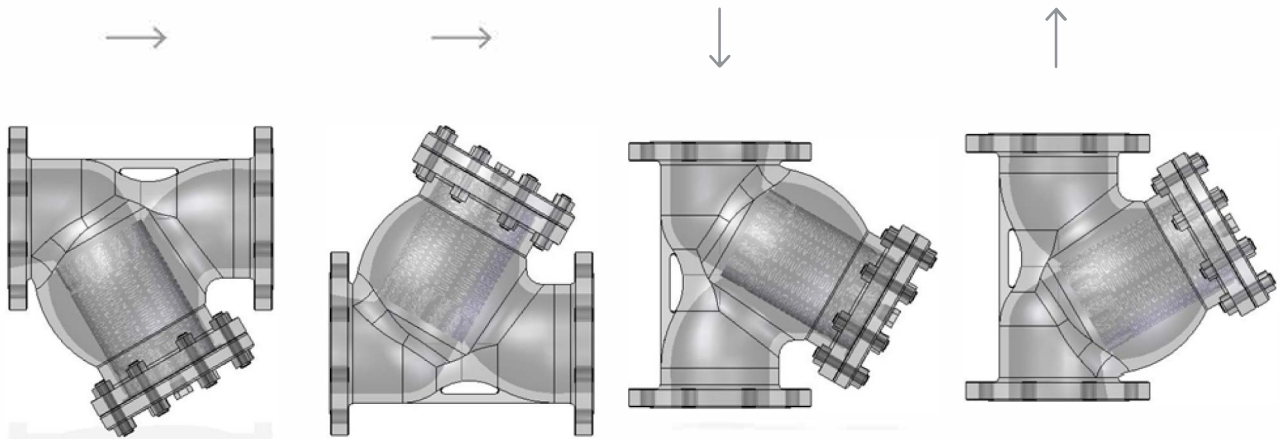


Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

Standard strainers are equipped with screens for the average service of most fluids (steam, gas, air, oil, chemicals, ect.). A large screen open area ensures an efficient filtering action with a low pressure drop.

Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



CORRECT

WRONG

CORRECT

WRONG

All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)

C150 - ANSI 150.

OTHER RATING ON REQUEST

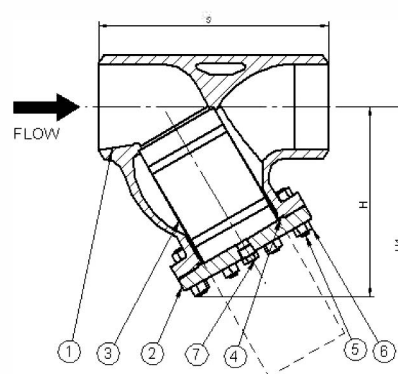
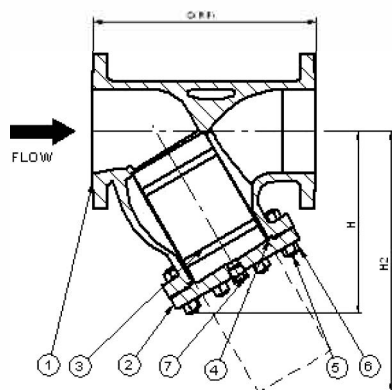
CONNECTIONS

Buttweld

ASME B 16.25

Flanged

ASME B 16.5



POS.	DESCRIPTION	MATERIALS		SPARES
1	Body	ASTM A216 WCB	Astm A351 CF8M	
2	Bonnet	ASTM A105	Astm A182 F316	
3	Screen	SS 316	SS 316	X
4	Gasket	SS 316 / Graph.	SS 316 / Graph.	X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4	
7	Drain Plug	ASTM A105	ASTM A182 F316	

OTHER MATERIALS ON REQUEST

Size (inches)	½	¾	1	1½	2"	3"	4"	6"	8"	10"	12"	14"	16"
S(RF) [mm]	108	117	127	165	203	241	292	406	495	622	699	788	914
S [mm]	108	117	127	165	203	241	292	406	495	622	699	788	914
H [mm]	67	73	87	120	140	210	270	360	460	570	700	770	870
H1 [mm]	180	210	240	270	190	260	340	400	580	660	800	1200	1400
Weight [kg]	6	9	11	20	14	26	40	68	140	190	270	350	640

STANDARD PERFORATIONS: 1.5 mm
SPECIAL PERFORATIONS ON REQUEST
DRAIN PLUG: ¾" NPT

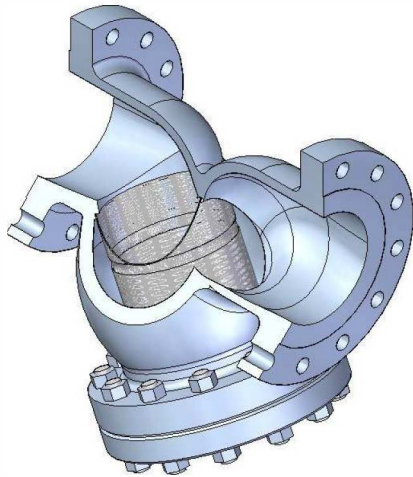
MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Remove cover (3) and gasket (4). **3-** Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken or distorted screen.** **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. **7-** Put cover in place (3). Be sure that drain plug (5) is closed. **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.

CAST STEEL "Y" PAP

YSC300

(Y-type strainer, cast, class 300)

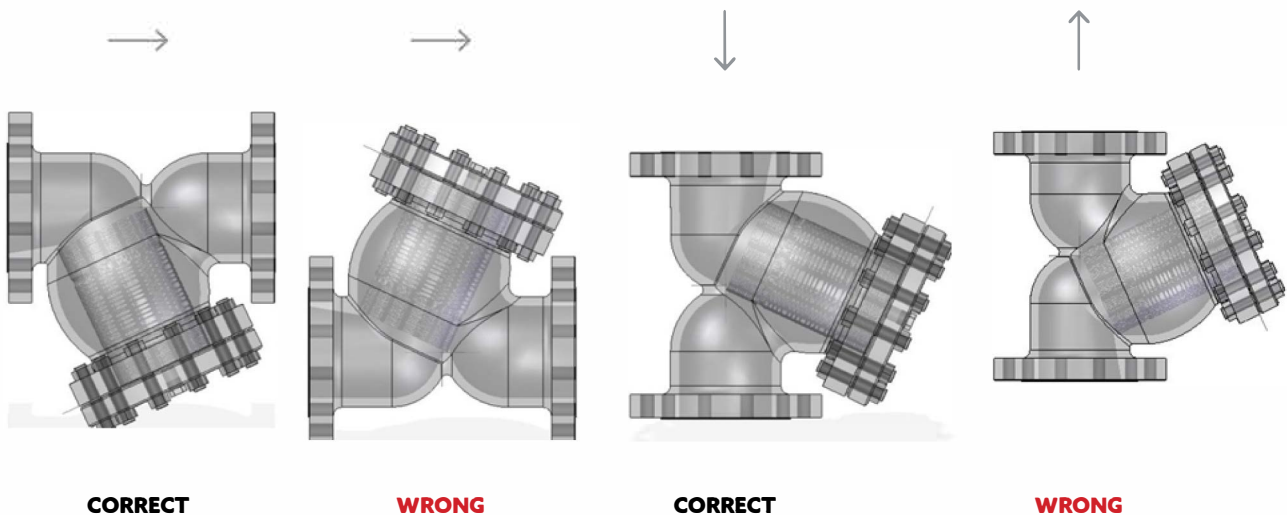


Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

Standard strainers are equipped with screens for the average service of most fluids (steam, gas, air, oil, chemicals, ect.). A large screen open area ensures an efficient filtering action with a low pressure drop.

Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



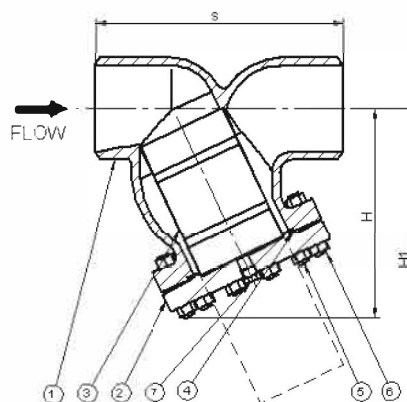
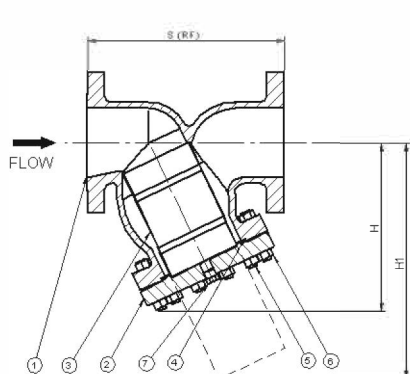
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)
C300 - ANSI 300.

CONNECTIONS

Buttweld ASME B 16.25
Flanged ASME B 16.5



POS.	DESCRIPTION	MATERIALS		SPARES
1	Body	ASTM A216 WCB	Astm A351 CF8M	
2	Bonnet	ASTM A105	Astm A182 F316	
3	Screen	SS 316	SS 316	X
4	Gasket	SS 316 / Graph.	SS 316 / Graph.	X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4	
7	Drain Plug	ASTM A105	ASTM A182 F316	

OTHER MATERIALS ON REQUEST

Size (inches)	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
S (RF) [mm]	152	178	203	229	267	318	356	445	559	622	711	838	864	978	1061	1346
S [mm]	152	178	203	229	267	318	356	445	559	622	711	838	864	978	1061	1346
H [mm]	70	80	115	128	175	240	330	380	500	625	740	805	920	1025	1140	1360
H1 [mm]	150	170	240	260	250	275	360	470	575	920	1100	1200	1360	1350	1700	2050
Weight [kg]	6	9	11	20	20	45	65	105	180	254	430	670	750	863	1125	1625

STANDARD PERFORATIONS: 1.5 mm
SPECIAL PERFORATIONS ON REQUEST
DRAIN PLUG: 3/4" NPT

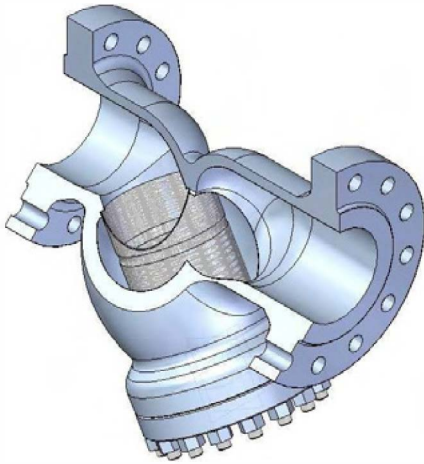
MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Remove cover (3) and gasket (4). **3-** Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken or distorted screen.** **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. **7-** Put cover in place (3). Be sure that drain plug (5) is closed. **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.

CAST STEEL "Y" PAP

YSC600

(Y-type strainer, cast, class 600)



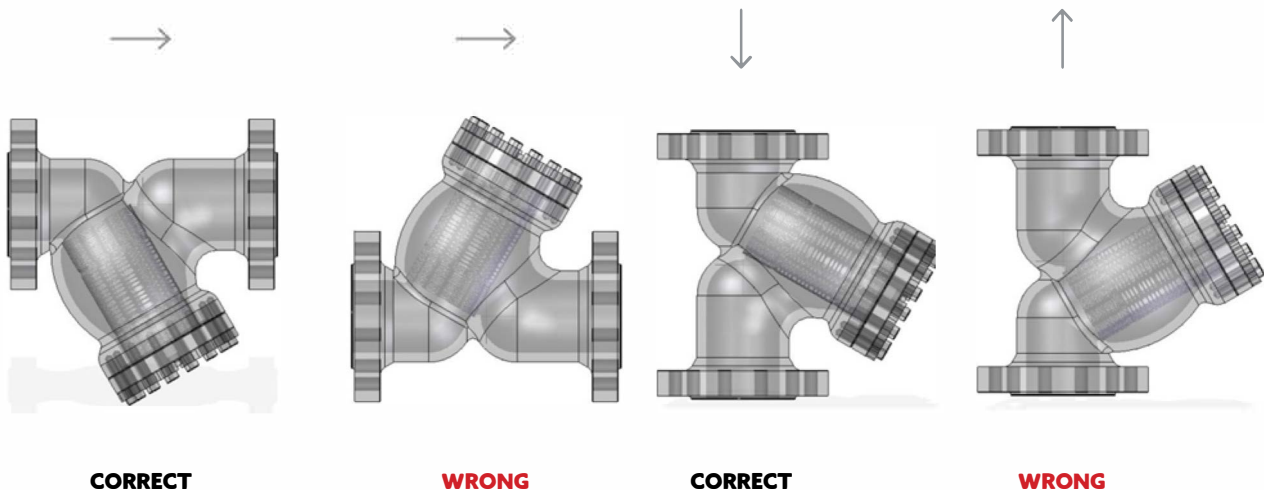
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A large screen open area ensures an efficient filtering action with a low pressure drop.

Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



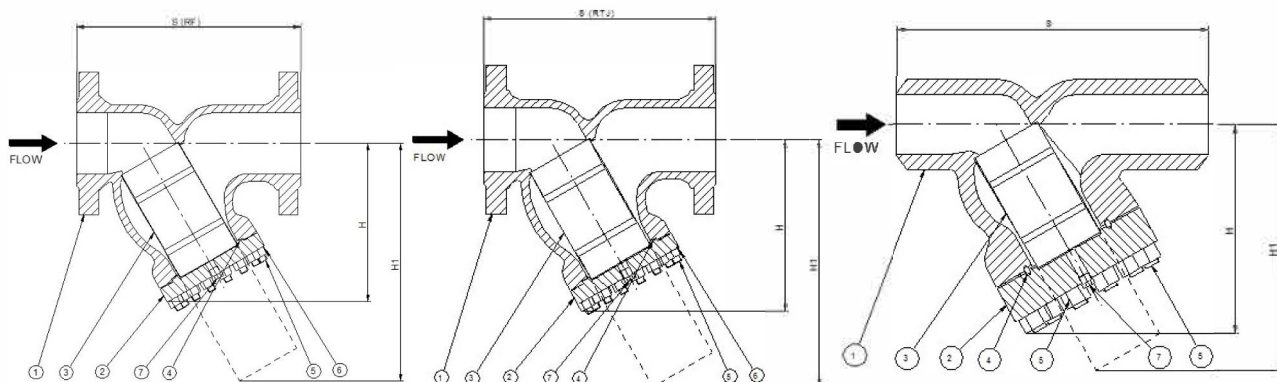
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)
C600 - ANSI 600

CONNECTIONS

Buttweld ASME B 16.25
Flanged ASME B 16.5



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	Astm A351 CF8M
2	Bonnet	ASTM A105	Astm A182 F316
3	Screen	SS 316	SS 316 X
4	Gasket	SS 316 / Graph.	SS 316 / Graph. X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4
7	Drain Plug	ASTM A105	ASTM A182 F316

OTHER MATERIALS ON REQUEST

Size (inches)	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"
S (RTJ) [mm]	165	191	203	216	295	259	435	562	663	790	841	892	994
S (RF) [mm]	165	191	203	216	292	356	432	559	660	787	838	889	991
S [mm]	165	191	203	216	292	356	432	559	660	787	838	889	991
H [mm]	120	140	115	170	193	260	310	400	500	600	720	865	991
H1 [mm]	180	210	240	240	270	320	400	530	650	790	1200	1420	1520
Weight [kg]	6	9	11	11	35	60	95	230	400	590	700	770	1140

STANDARD PERFORATIONS: 1.5 mm
SPECIAL PERFORATIONS ON REQUEST
DRAIN PLUG: 3/4" NPT

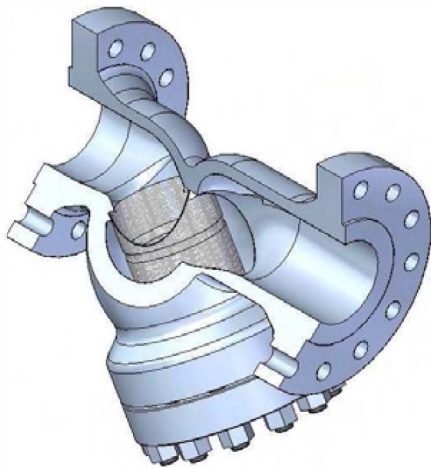
MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Remove cover (3) and gasket (4). 3- Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken or distorted screen.** 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. 7- Put cover in place (3). Be sure that drain plug (5) is closed. 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.

CAST STEEL "Y" PAP

YSC900

(Y-type strainer, cast, class 900)



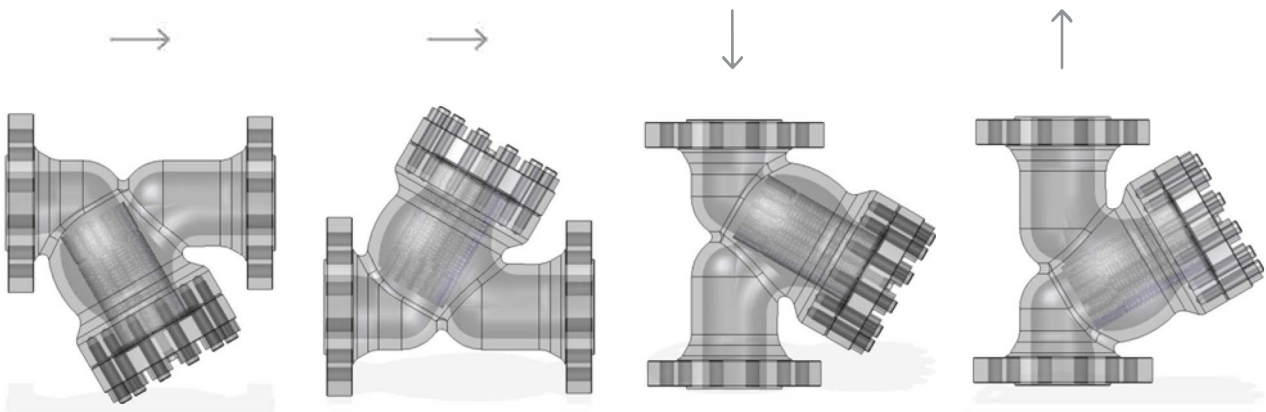
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A large screen open area ensures an efficient filtering action with a low pressure drop.

Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



CORRECT

WRONG

CORRECT

WRONG

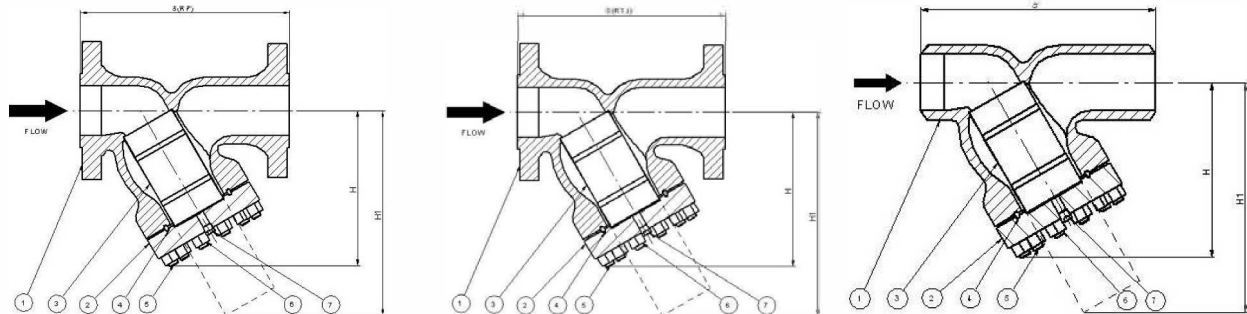
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)
C600 - ANSI 600

CONNECTIONS

Buttweld ASME B 16.25
Flanged ASME B 16.5



POS.	DESCRIPTION	MATERIALS		SPARES
1	Body	ASTMA216 WCB	Astm A351 CF8M	
2	Screen	S.S. 304	S.S. 316	X
3	Cover	ASTM A105	ASTM A240 316	
4	Gasket RJ	ARMCO	F316	X
5	Drain Plug	ASTM A105	AISI 316	
6	Studs	ASTM A193 B7	ASTM A320 L7	
7	Nuts	ASTM A194 2H	ASTM A194 Gr.4	

OTHER MATERIALS ON REQUEST

Size (inches)	1/2"	3/4"	1"	1.1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"
S (RTJ) [mm]	165	191	203	216	295	259	435	562	663	790	841	892	994
S(RF) [mm]	165	191	203	216	292	356	432	559	660	787	838	889	991
S [mm]	165	191	203	216	292	356	432	559	660	787	838	889	991
H [mm]	120	140	115	170	193	260	310	400	500	600	720	865	991
H1 [mm]	180	210	240	240	270	320	400	530	650	790	1200	1420	1520
Weight [kg]	6	9	11	11	35	60	95	230	400	590	700	770	1140

STANDARD PERFORATIONS: 1.5 mm
SPECIAL PERFORATIONS ON REQUEST
DRAIN PLUG: 3/4" NPT

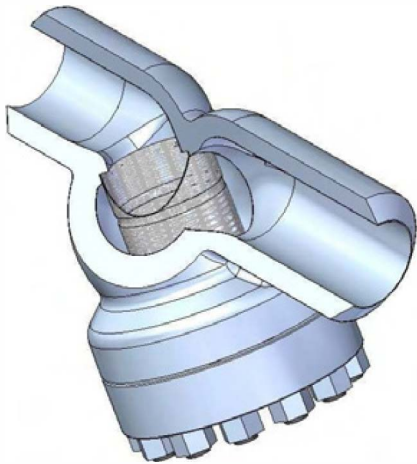
MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Remove cover (3) and gasket (4). **3-** Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken or distorted screen.** **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. **7-** Put cover in place (3). Be sure that drain plug (5) is closed. **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.

CAST STEEL "Y" PAP

YSC1500

(Y-type strainer, cast, class 900)



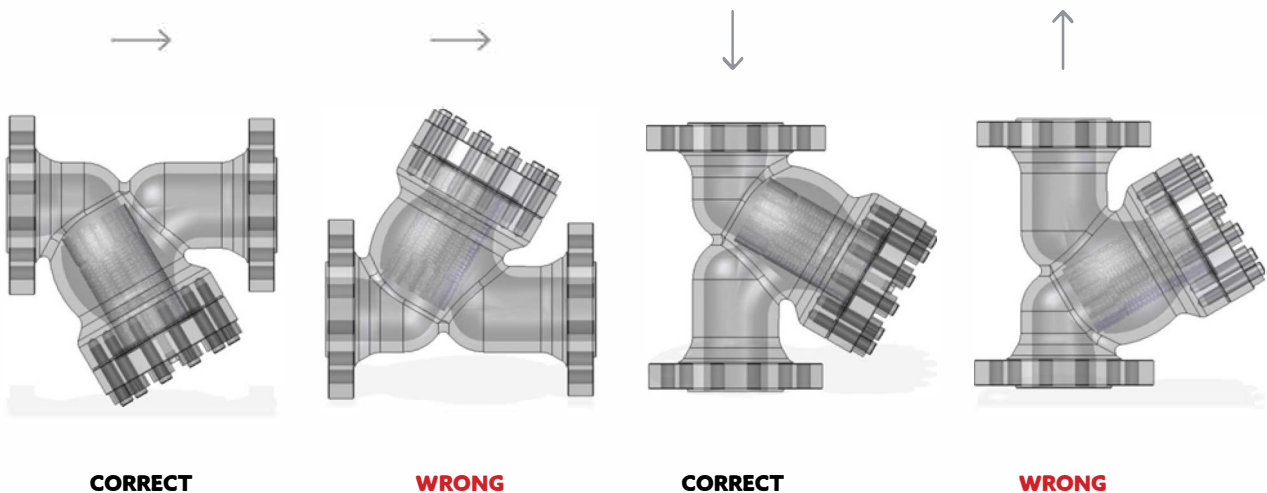
Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

Standard strainers are equipped with screens for the average service of most fluids (steam, gas, air, oil, chemicals, ect.).

A large screen open area ensures an efficient filtering action with a low pressure drop.

Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request.



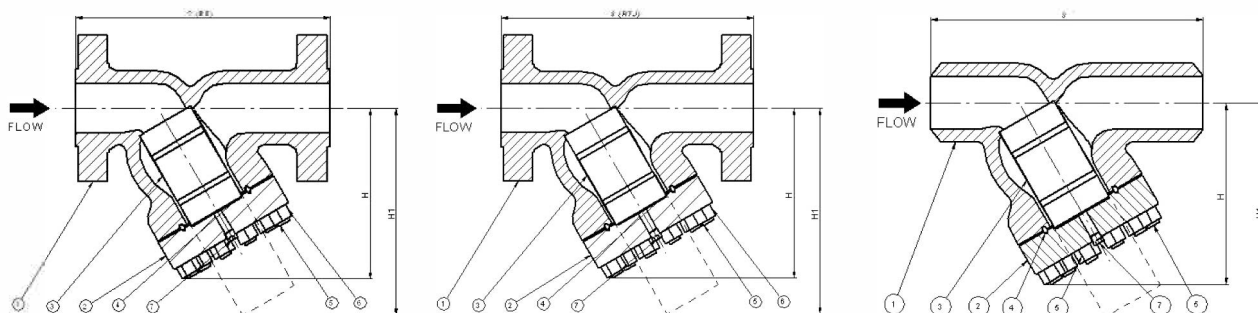
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

LIMITING CONDITIONS YSF800 (according to ISO 6552):

According to the body rating (ANSI B 16.34)
C1500 – ANSI 1500

CONNECTIONS

Buttweld ASME B 16.25
Flanged ASME B 16.5



POS.	DESCRIPTION	MATERIALS		SPARES
1	Body	ASTM A216 WCB	Astm A351 CF8M	
2	Screen	S.S. 304	S.S. 316	X
3	Cover	ASTM A105	ASTM A240 316	
4	Gasket RJ	ARMCO	F316	X
5	Drain Plug	ASTM A105	AISI 316	
6	Studs	ASTM A193 B7	ASTM A320 L7	
7	Nuts	ASTM A194 2H	ASTM A194 Gr.4	

OTHER MATERIALS ON REQUEST

Size (inches)	2"	3"	4"	6"	8"
S (RTJ) [mm]	371	473	549	711.5	842
S(RF) [mm]	368	470	546	705	832
S [mm]	368	470	546	705	832
H [mm]	250	325	375	480	620
H1 [mm]	400	540	600	750	900
Weight [kg]	60	100	160	400	600

STANDARD PERFORATIONS: 1.5 mm
SPECIAL PERFORATIONS ON REQUEST
DRAIN PLUG: 3/4" NPT

MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Remove cover (3) and gasket (4). **3-** Remove screen (2) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **Never reinstall a broken or distorted screen.** **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (2). Be sure to center the screen in the upper seat. **7-** Put cover in place (3). Be sure that drain plug (5) is closed. **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.



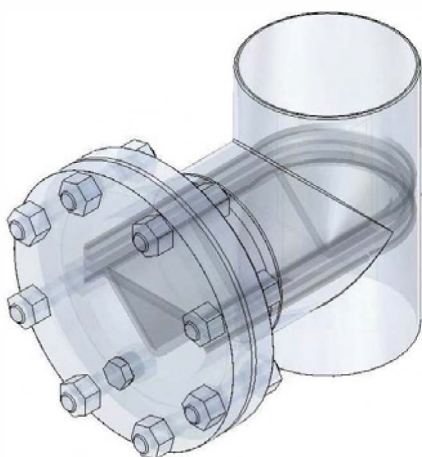
“Tee” STRAINERS

Our Tee Strainer section includes different types of strainers.
In the following tabs you can visualize the table of the desired strainer.

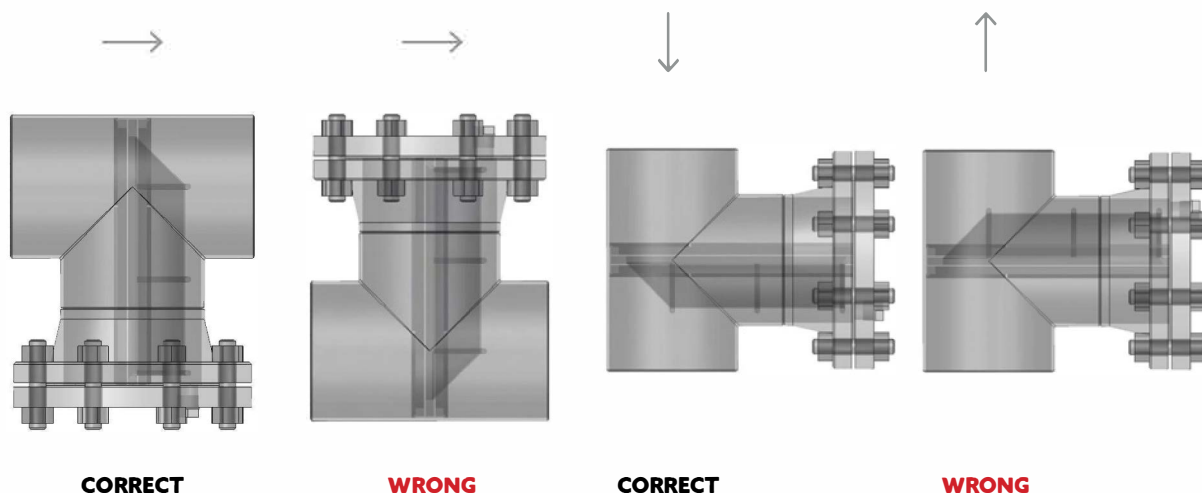
"Tee" STRAINER PAP

TS150

(Tee type strainer, class 150)

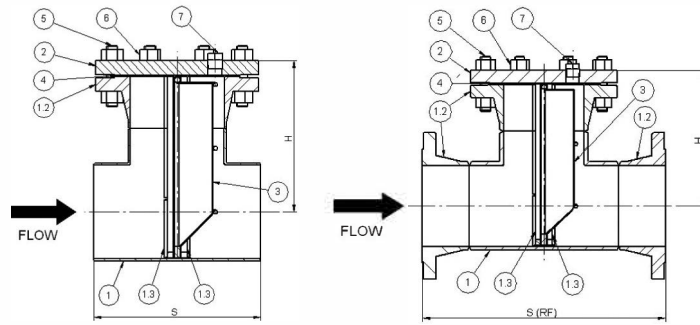


Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance. Standard strainers are equipped with screens for the average service of most gases & fluids (steam, gas, air, oil, chemicals, ect.). A large screen open area ensures an efficient filtering action with a low pressure drop. Filtering area to inlet area ratio is higher than 3 to 1. Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request it is possible to manufacture screens.



All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

In horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline. In vertical pipelines " Tee " - strainers should never be installed in upward flow condition. (see above)



CONNECTIONS

Buttweld ANSI B16.25
Flanged ANSI B16.5
(Not for TS2500 - CLAMPED)

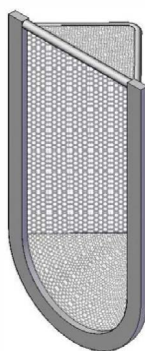
POS.	DESCRIPTION	MATERIALS				SPARES
1	Body	ASTM A234 WPB	ASTM A420 WPL6	ASTM WP 403 F316	ASTM A234 WP5	
1.2	Flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
1.3	Guide rods	S.S. 304	S.S. 304	S.S. 304	S.S. 304	
2	Blind flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
3	*Basket	S.S. 304	S.S. 304	S.S. 304	S.S. 304	X
4	Gasket	SS316/Graph.	SS316/Graph.	SS316/Graph.	SS316/Graph.	X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7	ASTM A320 L7	ASTM A193 B7	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4	ASTM A194 Gr.4	ASTM A194 2H	
7	Plug	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	

OTHER MATERIALS ON REQUEST

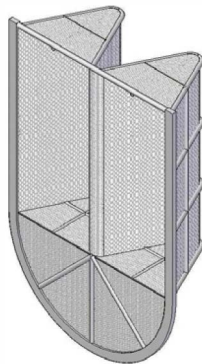
* BASKET TYPE: V - W - WW - Z. Basket configuration depend of % ratio requested by customer

Size (inches)	2"	3"	4"	6"	8"	10"	12"	16"	18"	20"	24"	26"
S	127	172	210	286	356	432	508	610	686	762	864	990
SF	254	312	363	464	560	636	737	864	966	1052	1169	1235
H	148	182	208	260	311	351	403	472	525	571	635	688

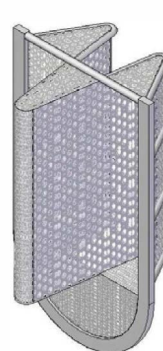
Dimension : SF , S , H are in millimeters (mm)



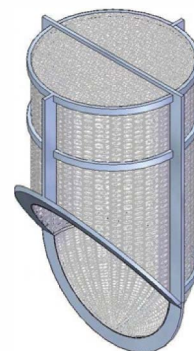
V Type



W Type



WW Type



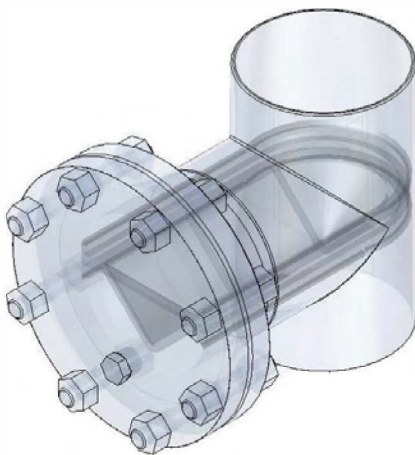
Z Type

MAINTENANCE

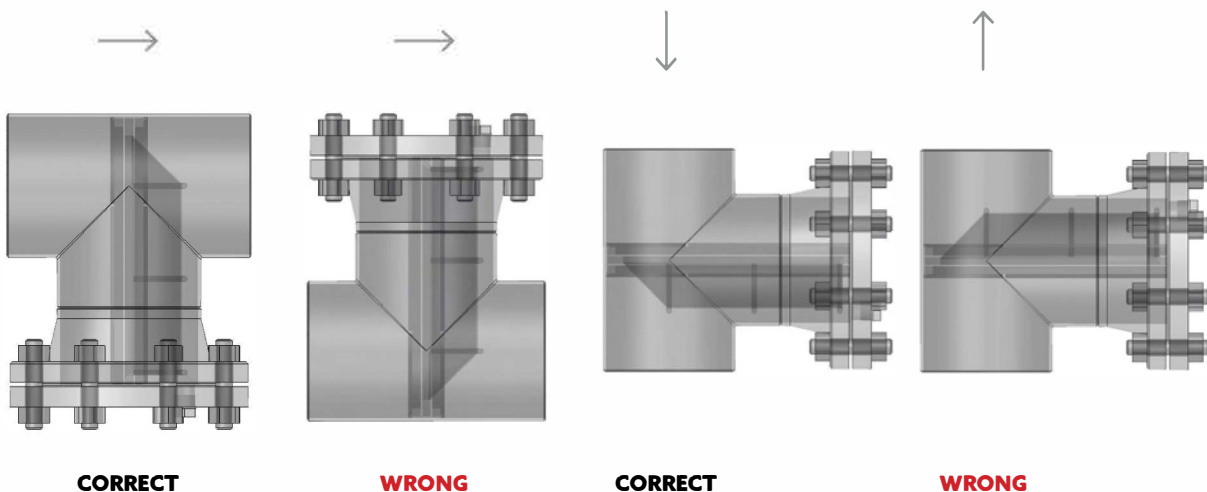
Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). 3- Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (3). 7- Put cover in place (2). 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.

"Tee" STRAINER PAP TS300

(Tee type strainer, class 300)

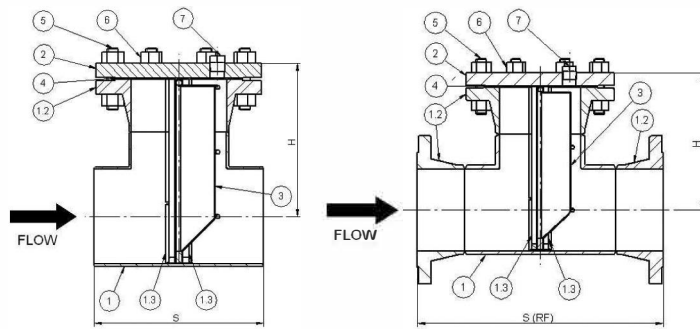


Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance. Standard strainers are equipped with screens for the average service of most gases & fluids (steam, gas, air, oil, chemicals, ect.). A large screen open area ensures an efficient filtering action with a low pressure drop. Filtering area to inlet area ratio is higher than 3 to 1. Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request it is possible to manufacture screens.



All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

In horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline. In vertical pipelines " Tee " - strainers should never be installed in upward flow condition. (see above)



CONNECTIONS

Buttweld ANSI B16.25
Flanged ANSI B16.5
(Not for TS2500 - CLAMPED)

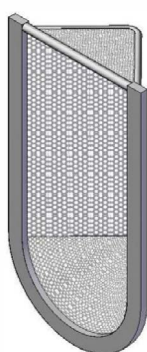
POS.	DESCRIPTION	MATERIALS				SPARES
1	Body	ASTM A234 WPB	ASTM A420 WPL6	ASTM WP 403 F316	ASTM A234 WP5	
1.2	Flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
1.3	Guide rods	S.S. 304	S.S. 304	S.S. 304	S.S. 304	
2	Blind flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
3	*Basket	S.S. 304	S.S. 304	S.S. 304	S.S. 304	X
4	Gasket	SS316/Graph.	SS316/Graph.	SS316/Graph.	SS316/Graph.	X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7	ASTM A320 L7	ASTM A193 B7	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4	ASTM A194 Gr.4	ASTM A194 2H	
7	Plug	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	

OTHER MATERIALS ON REQUEST

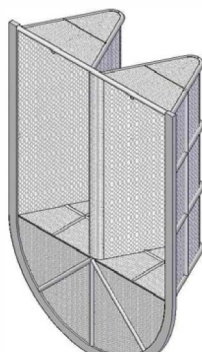
* BASKET TYPE: V - W - WW - Z. Basket configuration depend of % ratio requested by customer

Size (inches)	2"	3"	4"	6"	8"	10"	12"	16"	18"	20"	24"
S	127	172	210	286	356	432	508	610	686	762	864
SF	268	332	382	483	579	668	769	903	1004	1086	1201
H	158	197	225	281	333	385	438	511	565	609	673

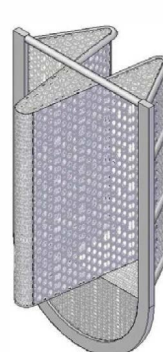
Dimension : SF , S , H are in millimeters (mm)



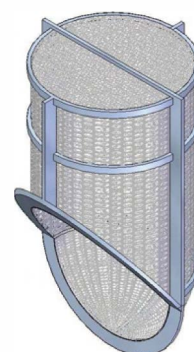
V Type



W Type



WW Type



Z Type

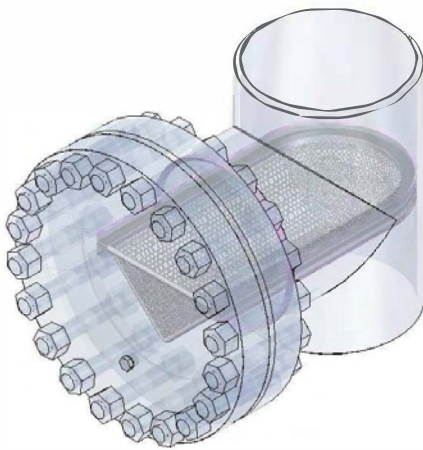
MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). 3- Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (3). 7- Put cover in place (2). 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.

"Tee" STRAINER PAP

TS600

(Tee type strainer, class 600)

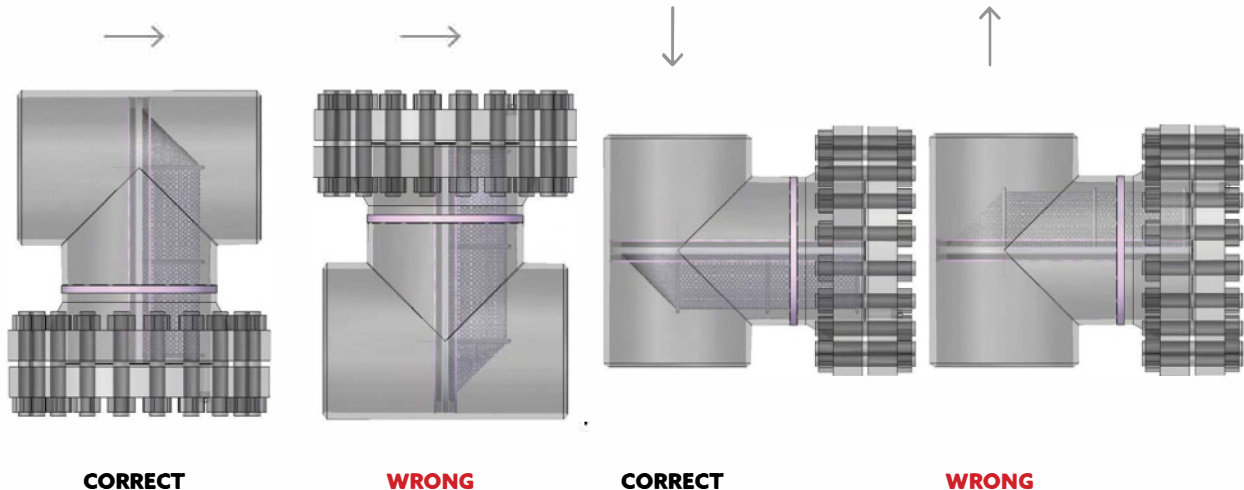


Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

Standard strainers are equipped with screens for the average service of most gases & fluids (steam, gas, air, oil, chemicals, ect.). A large screen open area ensures an efficient filtering action with a low pressure drop.

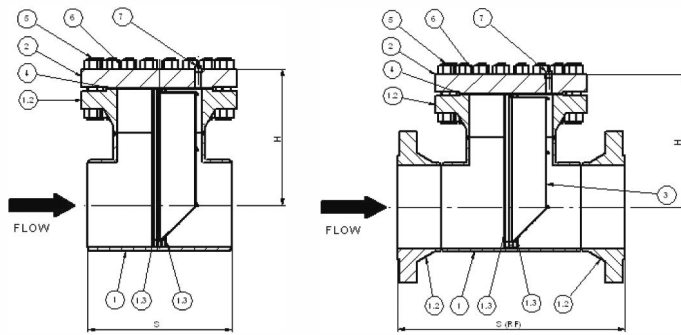
Filtering area to inlet area ratio is higher than 3 to 1.

Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request it is possible to manufacture screens.



All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

In horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline. In vertical pipelines " Tee " - strainers should never be installed in upward flow condition. (see above)



CONNECTIONS

Buttweld ANSI B16.25
Flanged ANSI B16.5
(Not for TS2500 - CLAMPED)

POS.	DESCRIPTION	MATERIALS				SPARES
1	Body	ASTM A234 WPB	ASTM A420 WPL6	ASTM WP 403 F316	ASTM A234 WP5	
1.2	Flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
1.3	Guide rods	S.S. 304	S.S. 304	S.S. 304	S.S. 304	
2	Blind flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
3	*Basket	S.S. 304	S.S. 304	S.S. 304	S.S. 304	X
4	Gasket	SS316/Graph.	SS316/Graph.	SS316/Graph.	SS316/Graph.	X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7	ASTM A320 L7	ASTM A193 B7	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4	ASTM A194 Gr.4	ASTM A194 2H	
7	Plug	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	

OTHER MATERIALS ON REQUEST

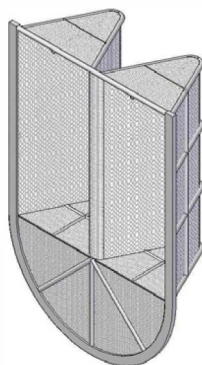
* BASKET TYPE: V - W - WW - Z. Basket configuration depend of % ratio requested by customer

Size (inches)	2"	3"	4"	6"	8"	10"	12"	16"	18"	20"	24"
S	127	172	210	286	356	432	508	610	686	762	864
SF	286	351	427	535	636	750	833	979	1067	1156	1284
H	177	216	260	324	382	492	574	624	676	753	673

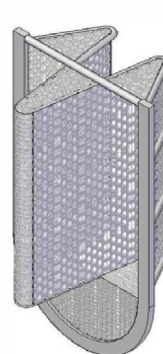
Dimension : SF , S , H are in millimeters (mm)



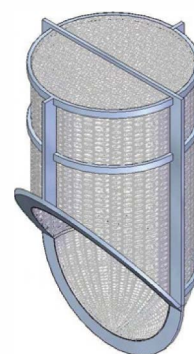
V Type



W Type



WW Type



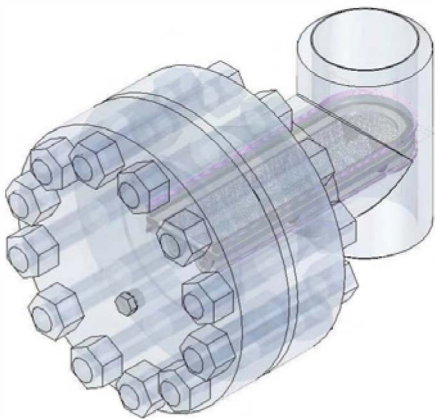
Z Type

MAINTENANCE

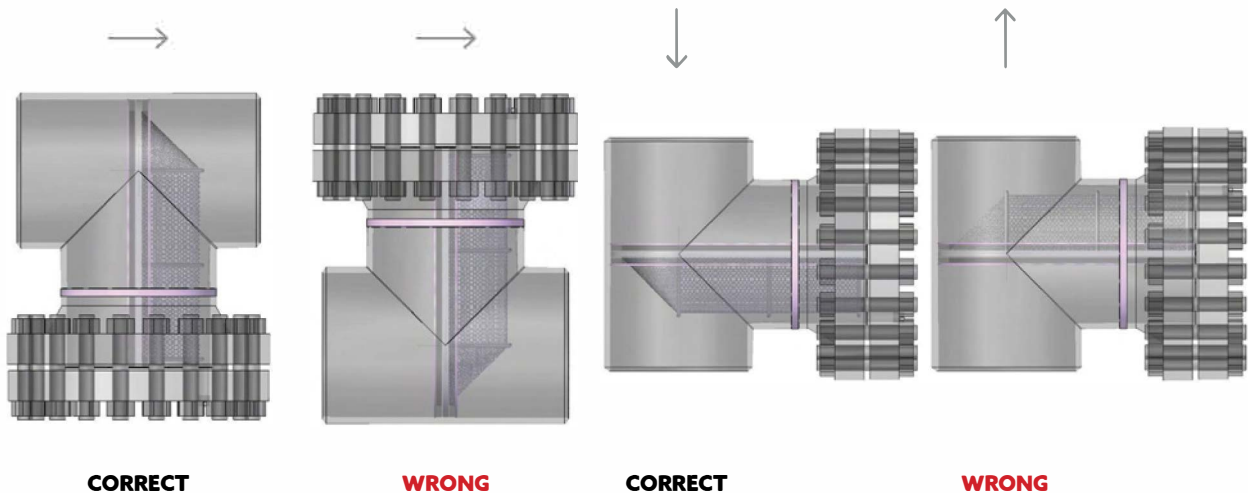
Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). 3- Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (3). 7- Put cover in place (2). 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.

"Tee" STRAINER PAP TS600

(Tee type strainer, class 600)

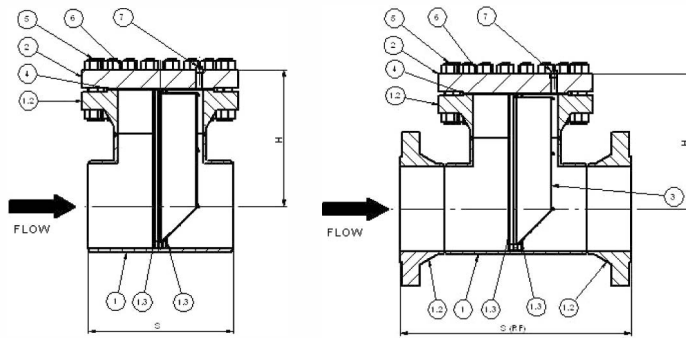


Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance. Standard strainers are equipped with screens for the average service of most gases & fluids (steam, gas, air, oil, chemicals, ect.). A large screen open area ensures an efficient filtering action with a low pressure drop. Filtering area to inlet area ratio is higher than 3 to 1. Screens area is manufactured with perforated plate in the materials and with the perforation specified in the relevant tables. Screens with different perforation (or wire mesh) and materials can be manufactured on request it is possible to manufacture screens.



All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

In horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline. In vertical pipelines " Tee " – strainers should never be installed in upward flow condition. (see above)



CONNECTIONS

Buttweld ANSI B16.25
Flanged ANSI B16.5
(Not for TS2500 - CLAMPED)

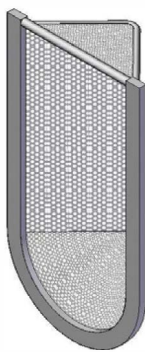
POS.	DESCRIPTION	MATERIALS				SPARES
1	Body	ASTM A234 WPB	ASTM A420 WPL6	ASTM WP 403 F316	ASTM A234 WP5	
1.2	Flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
1.3	Guide rods	S.S. 304	S.S. 304	S.S. 304	S.S. 304	
2	Blind flange	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	
3	*Basket	S.S. 304	S.S. 304	S.S. 304	S.S. 304	X
4	Gasket	SS316/Graph.	SS316/Graph.	SS316/Graph.	SS316/Graph.	X
5	Stud Bolts	ASTM A193 B7	ASTM A320 L7	ASTM A320 L7	ASTM A193 B7	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.4	ASTM A194 Gr.4	ASTM A194 2H	
7	Plug	ASTM A105	ASTM A350 LF2	ASTM A182 F316	ASTM A182 F5	

OTHER MATERIALS ON REQUEST

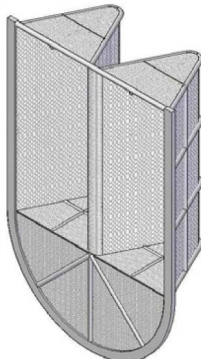
* BASKET TYPE: V - W - WW - Z. Basket configuration depend of % ratio requested by customer

Size (inches)	2"	3"	4"	6"	8"	10"	12"	16"	18"	20"	24"
S	127	172	210	286	356	432	508	610	686	762	864
SF	343	389	453	579	694	813	922	1056	1157	1271	1462
H	219	242	279	353	419	485	549	626	689	752	879

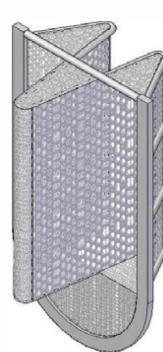
Dimension : SF , S , H are in millimeters (mm)



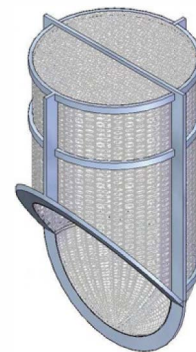
V Type



W Type



WW Type



Z Type

MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). 3- Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (3). 7- Put cover in place (2). 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.



“Basket” STRAINERS

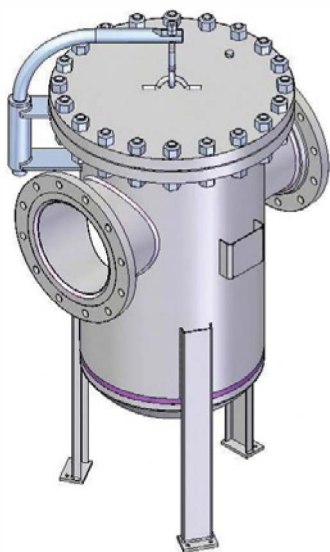
Our Pot / Bucket / Basket Strainer section includes six different types of strainers divided in two series.
In the following tabs you can visualize the table of the desired strainer.

"Pot/Bucket/Basket" STRAINER

PAP

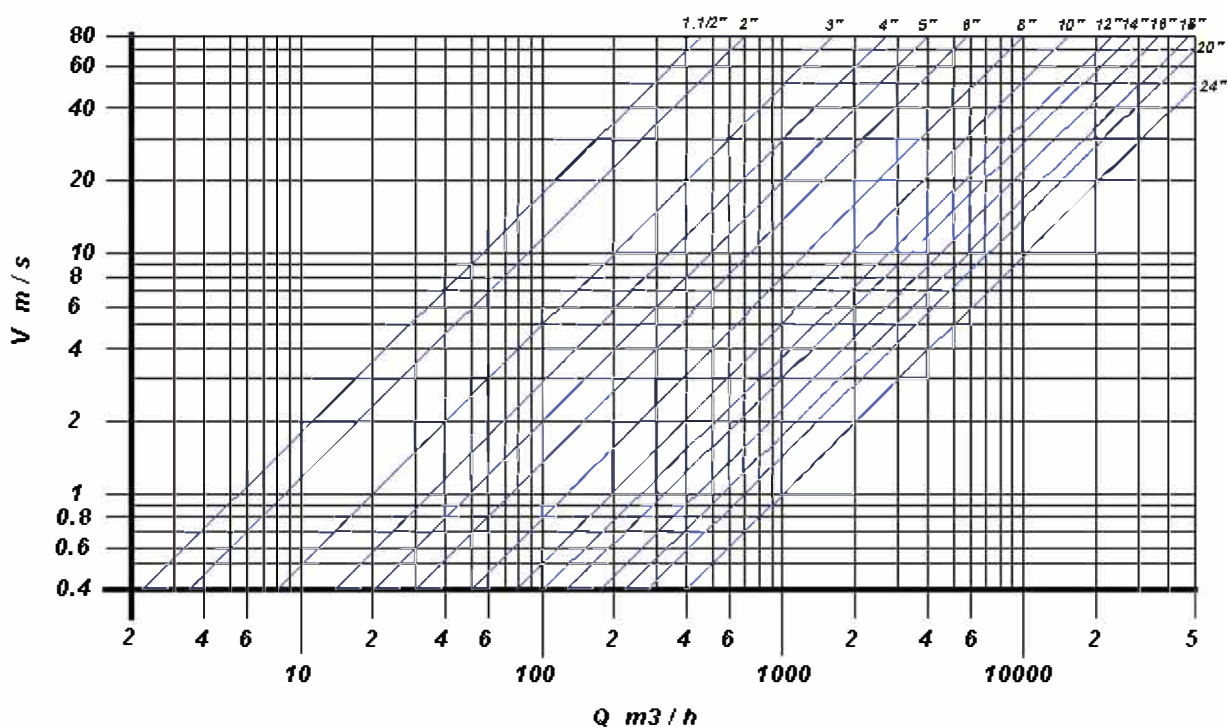
PSW150

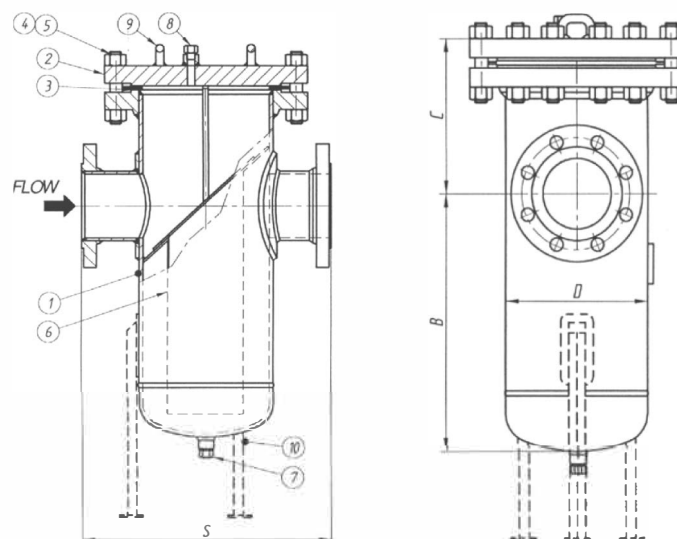
(Pot strainer, welded, class 150)



PAP Pot / Bucket / Basket strainers have been specifically designed to meet all customer requirements including high pressure applications. Designed and fabricated according to ASME VIII Div.1 as standard version, they can also be supplied according to other pressure vessel regulations. I.e. ASME B31.3 etc.

Standard features include low pressure drops at high velocities, stainless steel perforated baskets, vents and drains with the possibility to supply davit lifts, quick open closures, DP gauges. We are also able to manufacture customer requests following.





POS.	DESCRIPTION	MATERIALS	NOTE
1	Body	ASTM A106	
2	Cover	ASTM A105	
3	Gasket	316 / GRAPHITE	
4	Studs	ASTM A193 B7	
5	Nuts	ASTM A194 2H	
5	Drain plug	ASTM A105N	
	Screen	Stainless Steel	
6	Perf. Plate	Stainless Steel	
	Mesh	Stainless Steel	
7	Drain	ASTM A105	Plugged ¾" NPT
8	Vent	ASTM A105	Plugged ¾" NPT
9*	Lifting eyes	Carbon Steel	For cover only
10	Legs	Carbon Steel	On request

* Davit on request

Size (inches)	1½"	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
S (mm)	356	356	381	406	406	508	559	13	889	940	1067	1067	1092	1219
B (mm)	305	305	318	356	381	432	533	635	711	838	914	991	1118	1524
C (mm)	163	178	203	210	241	241	279	330	368	400	464	464	553	553
D (mm)	168	168	168	219	273	273	324	406	457	508	610	610	762	762
Kg	40.0	43.1	46.7	77.1	104.3	108.9	154.2	272.2	349.3	440.0	616.9	635.0	870.9	997.9

NOTES : Inlet / Outlet flanges are according to ANSI B16.5

MAINTENANCE

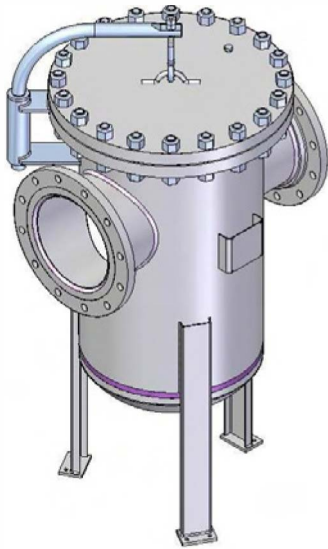
Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). 3- Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (3). 7- Put cover in place (2). 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.

“Pot/Bucket/Basket” STRAINER

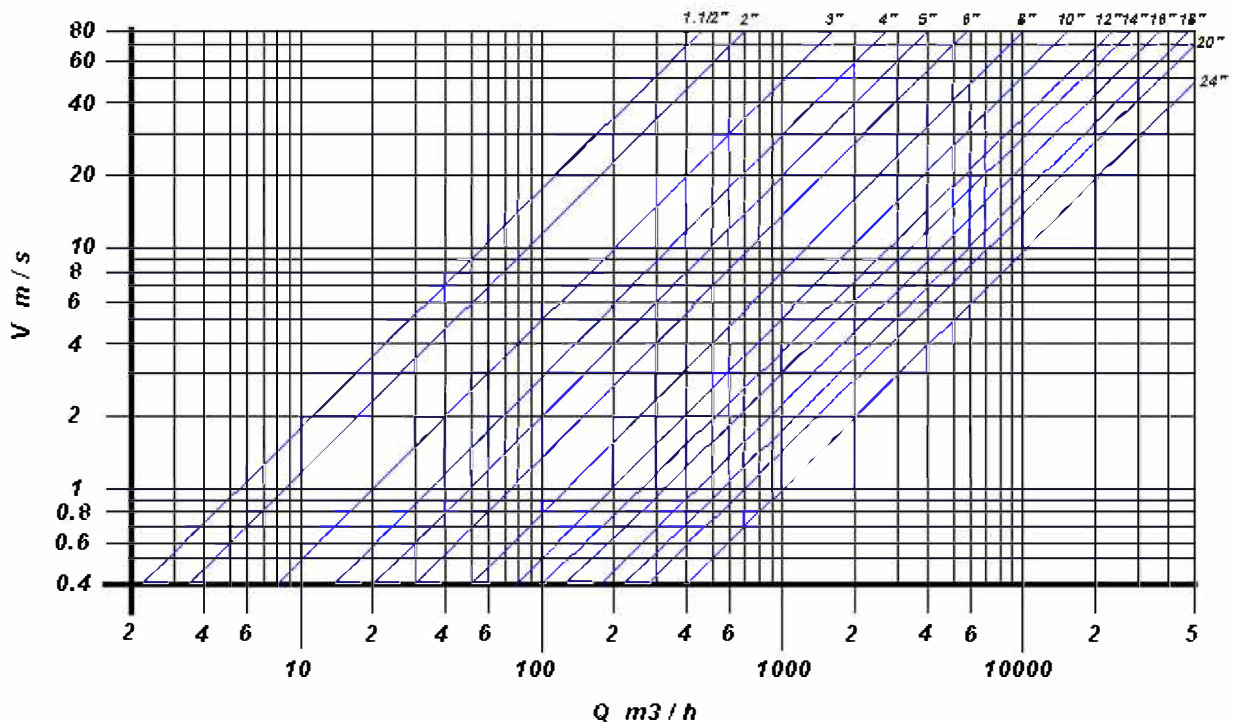
PAP

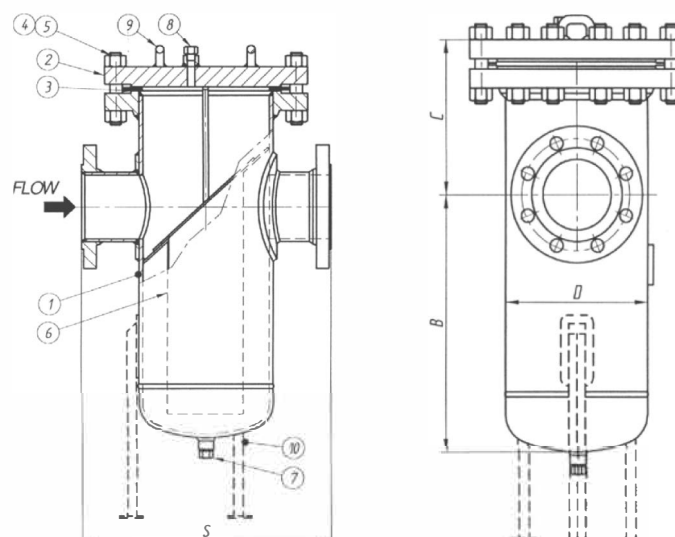
PSW300

(Pot strainer, welded, class 300)



PAP Pot / Bucket / Basket strainers have been specifically designed to meet all customer requirements including high pressure applications. Designed and fabricated according to ASME VIII Div.1 as standard version, they can also be supplied according to other pressure vessel codes. I.e. ASME B31.3 etc. Standard features include low pressure drops at high velocities, stainless steel perforated baskets, vents and drains with the possibility to supply davit lifts, quick open closures, DP gauges. We are also able to manufacture customer requests following.





POS.	DESCRIPTION	MATERIALS	NOTE
1	Body	ASTM A106	
2	Cover	ASTM A105	
3	Gasket	316 / GRAPHITE	
4	Studs	ASTM A193 B7	
5	Nuts	ASTM A194 2H	
5	Drain plug	ASTM A105N	
	Screen	Stainless Steel	
6	Perf. Plate	Stainless Steel	
	Mesh	Stainless Steel	
7	Drain	ASTM A105	Plugged ¾" NPT
8	Vent	ASTM A105	Plugged ¾" NPT
9*	Lifting eyes	Carbon Steel	For cover only
10	Legs	Carbon Steel	On request

* Davit on request

Size (inches)	1½"	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
S (mm)	356	356	381	406	445	553	584	838	914	965	1092	1092	1130	1264
B (mm)	305	305	318	356	381	432	533	635	711	838	914	991	1118	1524
C (mm)	229	229	229	241	279	279	318	368	406	445	508	508	610	610
D (mm)	168	168	168	219	273	273	324	406	457	508	610	610	762	762
Kg	69.2	72.6	79.4	131.5	181.4	192.8	274.4	464.9	603.3	757.5	1059.1	1115.8	1537.7	1780.4

NOTES : Inlet / Outlet flanges are according to ANSI B16.5

MAINTENANCE

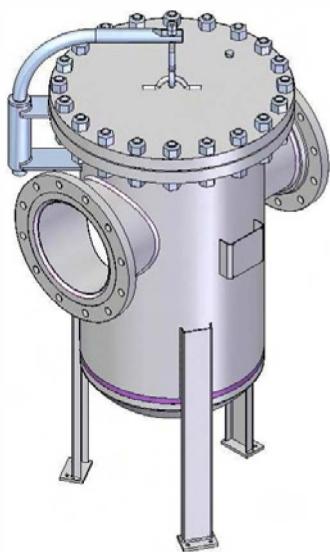
Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: 1- Be sure that the main line has been shut off. 2- Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). 3- Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. 4- Carefully clean the inside of the strainer body. 5- Fit a new gasket (4). 6- Install the new screen or the cleaned one (3). 7- Put cover in place (2). 8- Slowly give pressure to the line, checking for leakages. 9- Write on the strainer body the date of this maintenance operation.

"Pot/Bucket/Basket" STRAINER

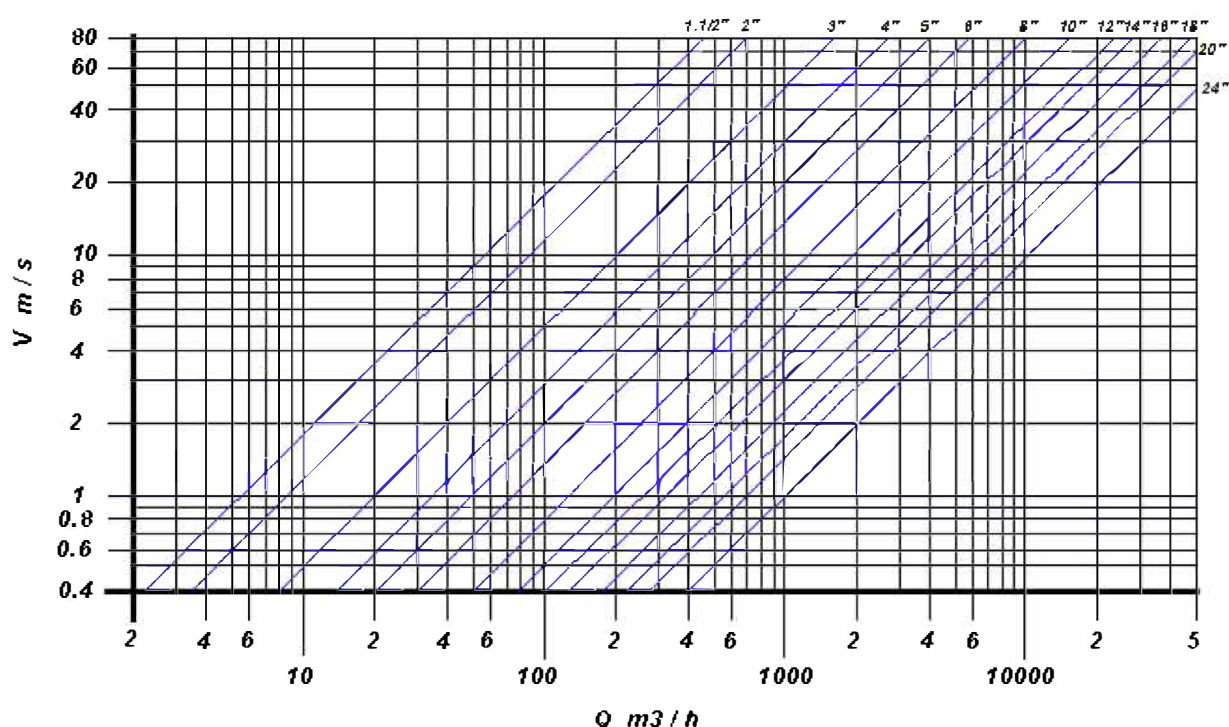
PAP

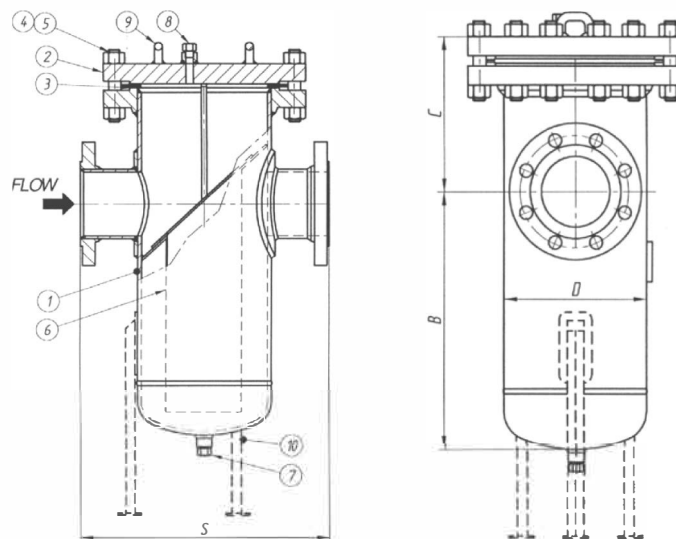
PSW900

(Pot strainer, welded, class 900)



PAP Pot / Bucket / Basket strainers have been specifically designed to meet all customer requirements including high pressure applications. Designed and fabricated according to ASME VIII Div.1 as standard version, they can also be supplied according to other pressure vessel codes. I.e. ASME B31.3 etc. Standard features include low pressure drops at high velocities, stainless steel perforated baskets, vents and drains with the possibility to supply davit lifts, quick open closures, DP gauges. We are also able to manufacture customer requests following.





POS.	DESCRIPTION	MATERIALS	NOTE
1	Body	ASTM A106	
2	Cover	ASTM A105	
3	Gasket	316 / GRAPHITE	
4	Studs	ASTM A193 B7	
5	Nuts	ASTM A194 2H	
5	Drain plug	ASTM A105N	
6	Screen	Stainless Steel	
	Perf. Plate	Stainless Steel	
	Mesh	Stainless Steel	
7	Drain	ASTM A105	Plugged ¾" NPT
8	Vent	ASTM A105	Plugged ¾" NPT
9*	Lifting eyes	Carbon Steel	For cover only
10	Legs	Carbon Steel	

* Davit on request

Size (inches)	20"
S (mm)	1410
B (mm)	1525
C (mm)	1064
D (mm)	762
Kg	6621

NOTES : Inlet / Outlet flanges are according to ANSI B16.5

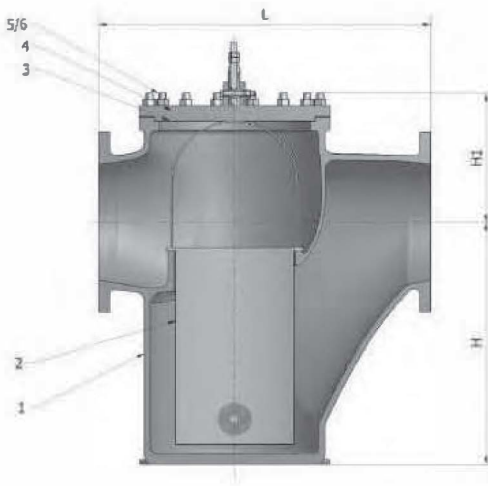
MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). **3-** Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (3). **7-** Put cover in place (2). **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.

"Pot/Bucket/Basket" STRAINER PAP

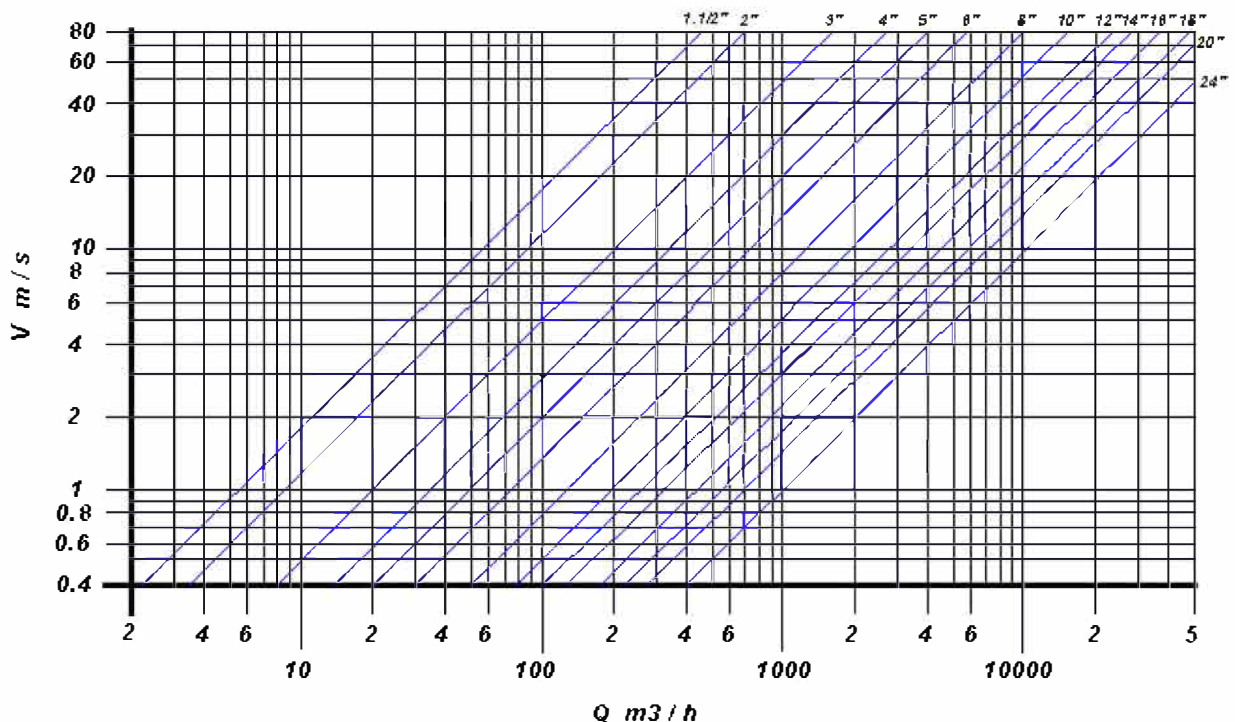
PSC150/300/600

(Pot strainer, cost, class 150/300/600)



PAP Pot / Bucket / Basket strainers have been specifically designed to meet all customer requirements including for high pressure applications. Designed and fabricated to ASME VIII Div.1 as standard but can also be supplied to other pressure vessel codes. I.e. ASME B31.3 etc.

Standard features include low pressure drops at high velocities, stainless steel perforated baskets as standard, vents and drains with the possibility to supply davit lifts, quick open closures, DP gauges. We are also able to manufacture against customer requests in all types of materials.



POS.	DESCRIPTION	MATERIALS		SPARE
	Body	ASTM A216 WCB	ASTM A351 CF8(M)	
2	Screen	SS304	SS304/SS316	X
3	Gasket	SW 316/Graphite	SW 316/Graphite	X
4	Cover	ASTM A105N	ASTM A182 F304/316	
5	Bolts	ASTM A193 B7	ASTM A193 B8	
6	Nuts	ASTM A194 2H	ASTM A194 Gr.8	
7/8	Drain/Vent	ASTM A105N		

9* Lifting eyes: on request

* Davit on request

Pot / Bucket / Basket STRAINER PSC150

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"
h1 (mm)	110	140	160	180	240	315	350	395	430
h (mm)	207	265	350	500	650	850	950	1245	800
l (mm)	290	350	420	550	700	850	950	1150	1100
Kg	36	47	60	170	290	400	535	920	950

NOTES : Inlet / Outlet flanges are according to ANSI B16.5

Pot / Bucket / Basket STRAINER PSC300

Size (inches)	2"	3"	4"	6"	8"	10"
h1 (mm)	110	140	160	180	240	315
h (mm)	205	265	350	500	650	850
l (mm)	309	350	420	550	725	850
Kg	38	49	65	178	299	415

NOTES : Inlet / Outlet flanges are according to ANSI B16.5

Pot / Bucket / Basket STRAINER PSC600

Size (inches)	14"
h1 (mm)	395
h (mm)	1245
l (mm)	1250
Kg	950

NOTES : Inlet / Outlet flanges are according to ANSI B16.5

MAINTENANCE

Strainer maintenance should be made at least once a year, or whenever the pressure drop is higher than normal figures. A quick clean-up system, to perform approximately once a month, is to blow off small impurities through the drain-plug (5). It is recommended to install a drain valve by a nipple to the drain hole to speed-up this operation. For a complete maintenance follow the points herebelow: **1-** Be sure that the main line has been shut off. **2-** Untighten cover stud bolts (5) and nuts (6) and remove cover [blind flange] (2) and gasket (4). **3-** Remove basket (3) and carefully inspect it for damages. If any hole in the screen is clogged up, clean it with compressed air and / or any suitable tool. If the screen is broken in any part or out of shape, replace it with a new spare one. **4-** Carefully clean the inside of the strainer body. **5-** Fit a new gasket (4). **6-** Install the new screen or the cleaned one (3). **7-** Put cover in place (2). **8-** Slowly give pressure to the line, checking for leakages. **9-** Write on the strainer body the date of this maintenance operation.



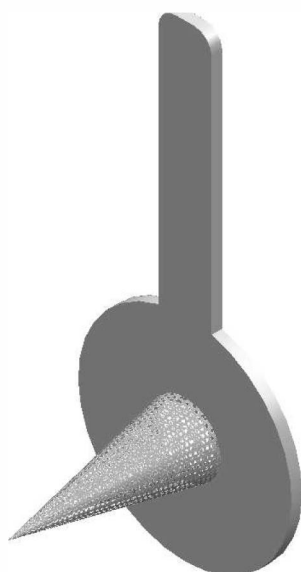
“Conical Temporary” STRAINERS

Our Temporary Conical Strainer section includes three different types of strainers.
In the following tabs you can visualize the table of the desired strainer.

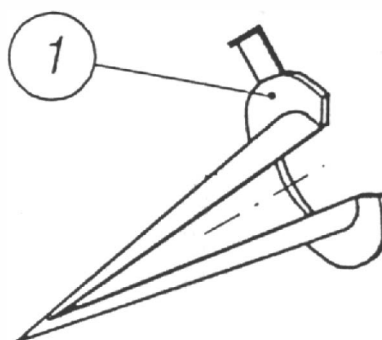
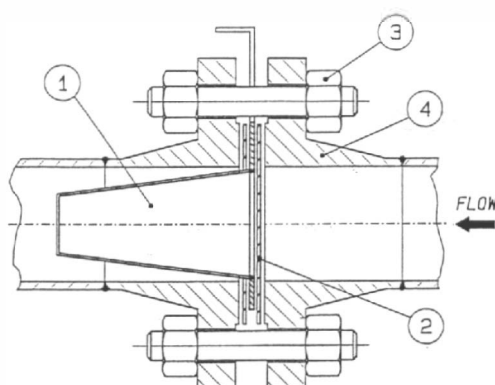
CONICAL STRAINER

PAP

Conical Temporary -Type 1



Conical type temporary strainers are designed for the efficient removal of solids in new pipeline startup services. They are compact and rugged and can be installed either vertically or horizontally. They can be manufactured using any kind of wire mesh or perforated plate, in carbon and stainless steel or customized alloys. Given dimensions are for reference purpose only. It is possible to manufacture conical strainers in line with any customer standard. Strainers are designed to be installed between ANSI B16.5 flanges and FF, RF and RTJ facings.

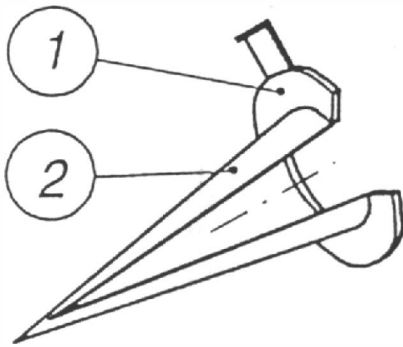


ASSEMBLY INSTRUCTIONS

Insert the strainer between the two flanges (4)
Make sure the two gasket are fitted on both sides
Tighten bolts (3) keeping the strainer (1) + gaskets (2) in the correct position

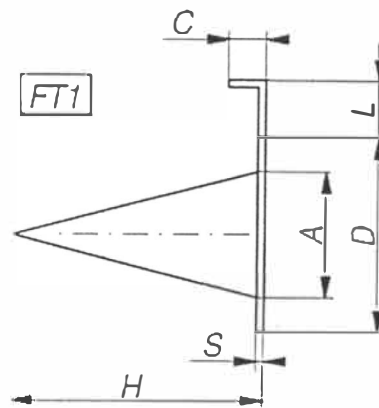
MAINTENANCE INSTRUCTIONS

Unscrew bolts (3)
Remove the strainer (1) and clean or replace it
When re-assembling use new gaskets



POS.	DESCRIPTION	MATERIALS	SPARES
1	Ring	SS 304	
2	Perforated plate	ASTM A240 304	

OTHER MATERIALS ON REQUEST



Size (inches)	1½"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
D	73	92	127	157	216	270	324	81	412	470	534	584	692
H	60	80	120	150	230	300	350	400	450	500	550	600	650
L	70	70	70	80	100	100	110	110	120	130	130	140	150
C	20	20	20	20	20	20	20	20	20	20	20	20	20
S	3	3	3	3	5	5	5	5	5	7	7	7	7
A	33	48	75	100	150	200	250	300	332	383	434	485	587
B	20	26	44	60	89	118	149	175	194	224	250	285	300

Dimension : D, H, L, C, S, A, B are in millimeters (mm)
OTHER SIZES ON REQUEST

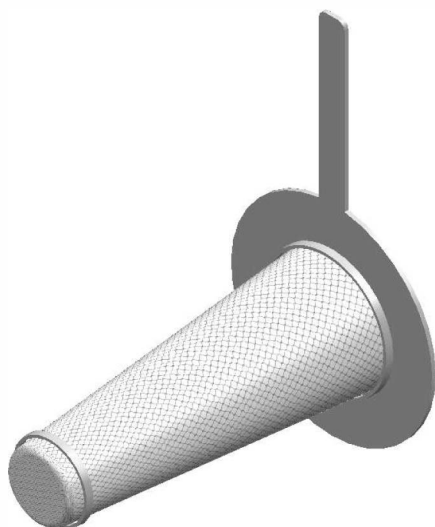
HOW TO ORDER:

i.e. FT1 4" 150# A240 TP304 - PERF. HOLS 3 mm DIA
i.e. FT2 4" 150# A240 TP304 - PERF. HOLS 3 mm DIA
i.e. FT3 4" 150# A240 TP304 - 3 MESH FILTRATION

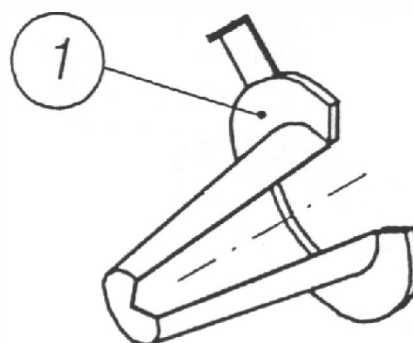
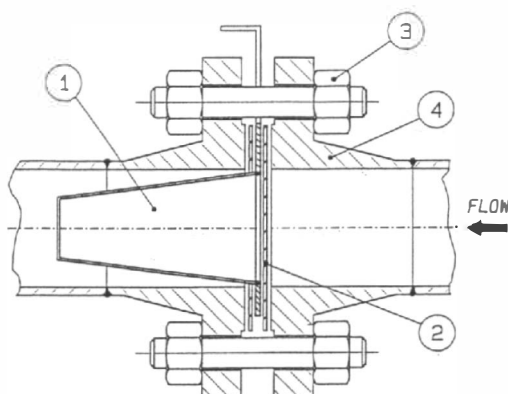
CONICAL STRAINER

PAP

Conical Temporary -Type 3



Conical type temporary strainers are designed for the efficient removal of solids in new pipeline startup services. They are compact and rugged and can be installed either vertically or horizontally. They can be manufactured using any kind of wire mesh or perforated plate, in carbon and stainless steel or exotic alloys. Given dimensions are for reference purpose only. It is possible to manufacture conical strainers in line with any customer standard. Strainers are designed to be installed between ANSI B16.5 flanges and meet FF, RF and RTJ facings.

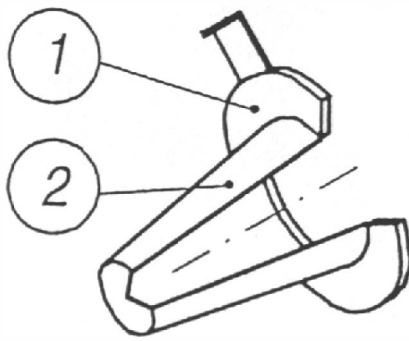


ASSEMBLY INSTRUCTIONS

Insert the strainer between the two flanges (4)
Make sure the two gasket are fitted on both sides
Tighten bolts (3) keeping the strainer (1) + gaskets (2) in the correct position

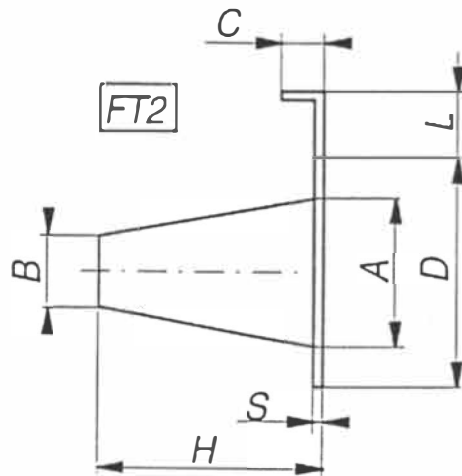
MAINTENANCE INSTRUCTIONS

Unscrew bolts (3)
Remove the strainer (1) and clean or replace it
When re-assembling use new gaskets



POS.	DESCRIPTION	MATERIALS	SPARES
1	Ring	SS 304	
2	Perforated plate	ASTM A240 304	

OTHER MATERIALS ON REQUEST



Size (inches)	1½"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
D	73	92	127	157	216	270	324	81	412	470	534	584	692
H	60	80	120	150	230	300	350	400	450	500	550	600	650
L	70	70	70	80	100	100	110	110	120	130	130	140	150
C	20	20	20	20	20	20	20	20	20	20	20	20	20
S	3	3	3	3	5	5	5	5	5	7	7	7	7
A	33	48	75	100	150	200	250	300	332	383	434	485	587
B	20	26	44	60	89	118	149	175	194	224	250	285	300

Dimension : D, H, L, C, S, A, B are in millimeters (mm)
OTHER SIZES ON REQUEST

HOW TO ORDER:

i.e. FT2 4" 150# A240 TP304 - PERF. HOLS 3 mm DIA

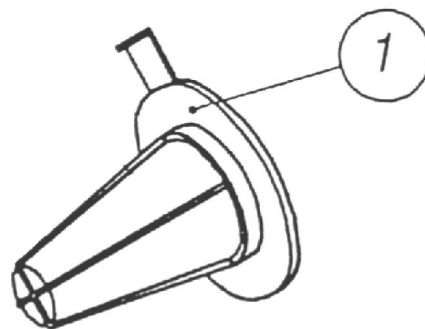
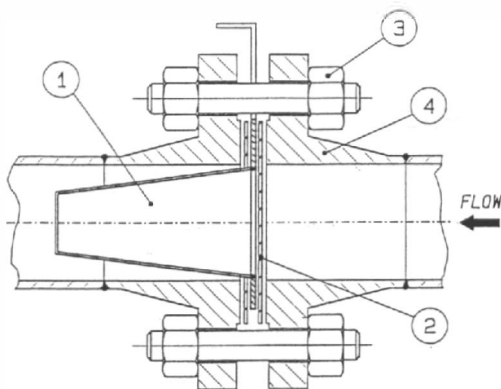
CONICAL STRAINER

PAP

Conical Temporary -Type 3



Conical type temporary strainers are designed for the efficient removal of solids in new pipeline startup services. They are compact and rugged and can be installed either vertically or horizontally. They can be manufactured using any kind of wire mesh or perforated plate, in carbon and stainless steel or exotic alloys. Given dimensions are for reference purpose only. It is possible to manufacture conical strainers in line with any customer standard. Strainers are designed to be installed between ANSI B16.5 flanges and meet FF, RF and RTJ facings.

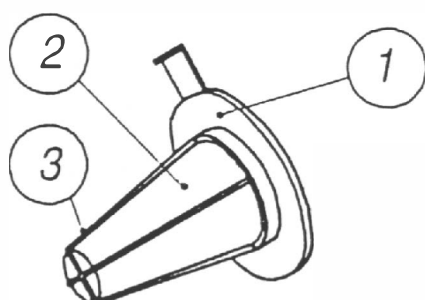


ASSEMBLY INSTRUCTIONS

Insert the strainer between the two flanges (4)
Make sure the two gasket are fitted on both sides
Tighten bolts (3) keeping the strainer (1) + gaskets (2) in the correct position

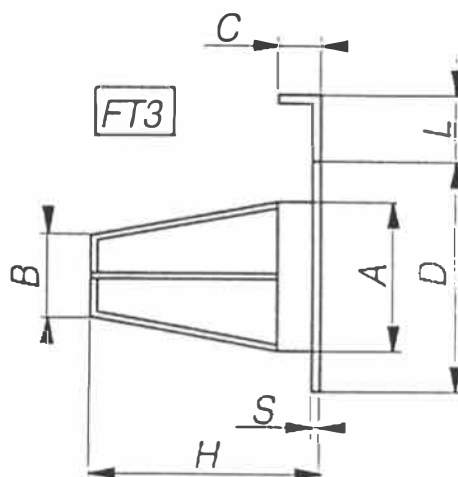
MAINTENANCE INSTRUCTIONS

Unscrew bolts (3)
Remove the strainer (1) and clean or replace it
When re-assembling use new gaskets



POS.	DESCRIPTION	MATERIALS	SPARES
1	Ring	SS 304	
2	Wire mesh	SS 304	
3	Rods	SS 304	

OTHER MATERIALS ON REQUEST



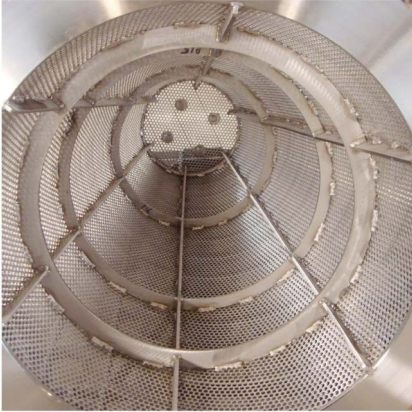
Size (inches)	1½"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
D	73	92	127	157	216	270	324	81	412	470	534	584	692
H	60	80	120	150	230	300	350	400	450	500	550	600	650
L	70	70	70	80	100	100	110	110	120	130	130	140	150
C	20	20	20	20	20	20	20	20	20	20	20	20	20
S	3	3	3	3	5	5	5	5	5	7	7	7	7
A	33	48	75	100	150	200	250	300	332	383	434	485	587
B	20	26	44	60	89	118	149	175	194	224	250	285	300

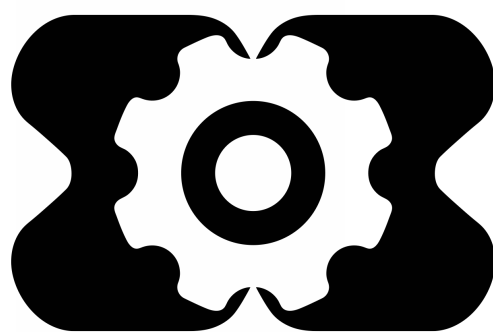
Dimension : D, H, L, C, S, A, B are in millimeters (mm)
OTHER SIZES ON REQUEST

HOW TO ORDER:

i.e. FT3 4" 150# A240 TP304 - 3 MESH FILTRATION

3-CONICAL TEMPORARY STRAINERS





شرکت فنی مهندسی
مبتکران برزین صنعت

MOBTAKERAN BARZIN SANAT CONSULTING ENGINEERS CO.

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