

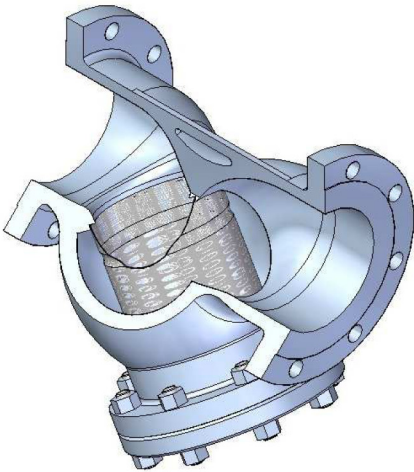


# "Y" STRAINERS CAST

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)

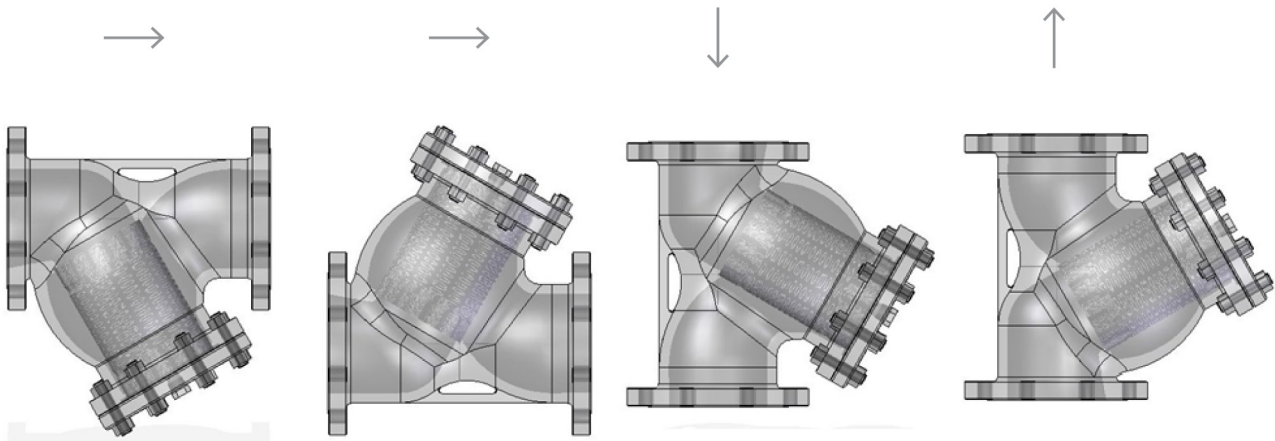


Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

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**

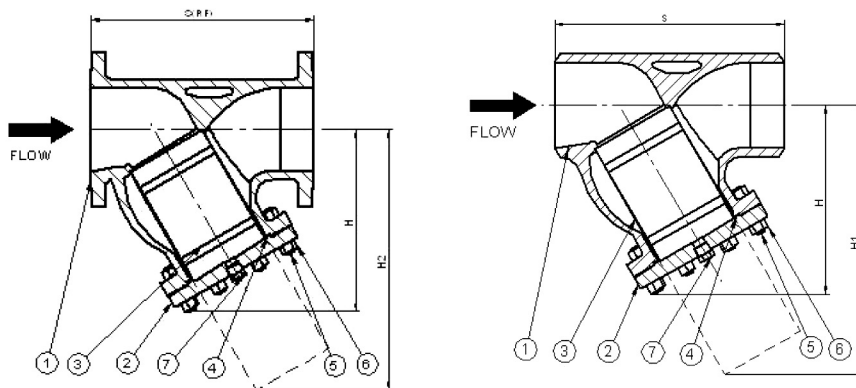
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

**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	1.½	2"	3"	4"	6"	8"	10"	12"	14"	16"
<b>S(RF)</b> [mm]	108	117	127	165	203	241	292	406	495	622	699	788	914
<b>S</b> [mm]	108	117	127	165	203	241	292	406	495	622	699	788	914
<b>H</b> [mm]	67	73	87	120	140	210	270	360	460	570	700	770	870
<b>H1</b> [mm]	180	210	240	270	190	260	340	400	580	660	800	1200	1400
<b>Weight</b> [kg]	6	9	11	20	14	26	40	68	140	190	270	350	640

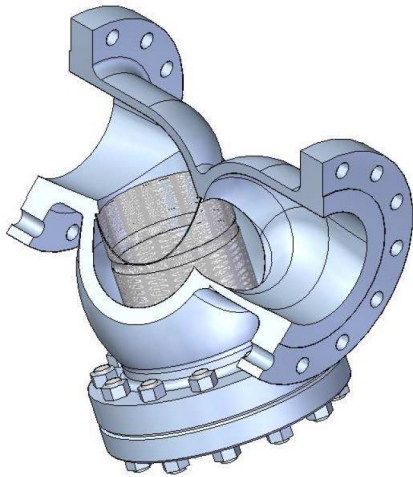
STANDARD PERFORATIONS: 1.5 mm  
SPECIAL PERFORATIONS ON REQUEST  
DRAIN PLUG: ¾" NPT

**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)

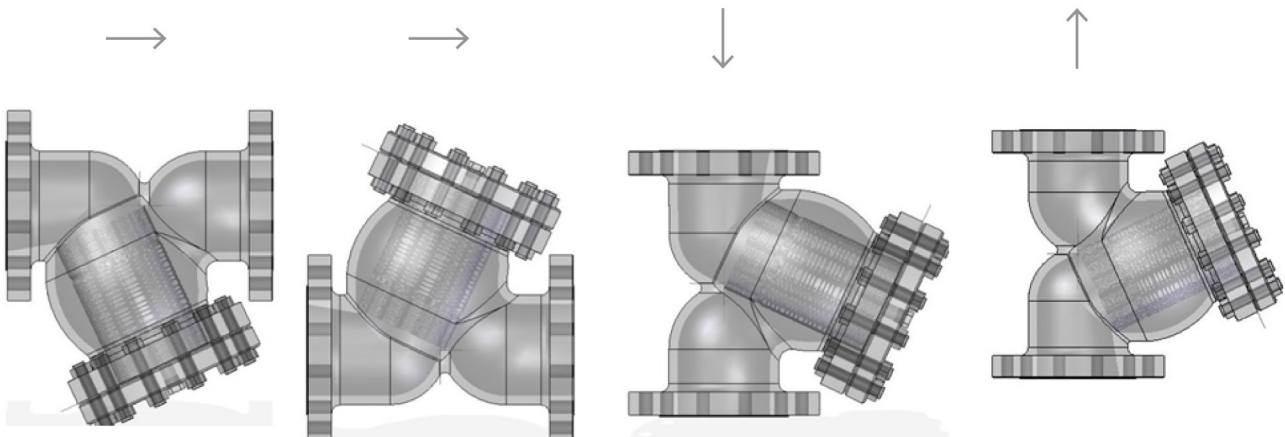


Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

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.



**CORRECT**

**WRONG**

**CORRECT**

**WRONG**

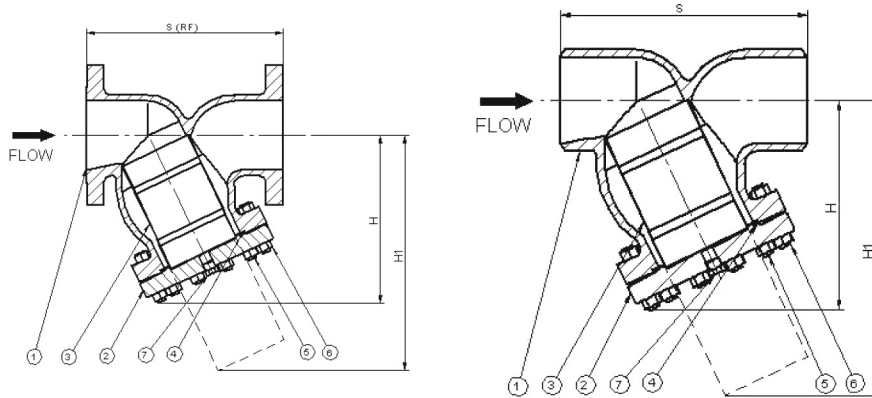
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

**LIMITING CONDITIONS YSF800 (according to ISO 6552):**

According to the body rating (ANSI B 16.34)  
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"
<b>S (RF)</b> [mm]	152	178	203	229	267	318	356	445	559	622	711	838	864	978	1061	1346
<b>S</b> [mm]	152	178	203	229	267	318	356	445	559	622	711	838	864	978	1061	1346
<b>H</b> [mm]	70	80	115	128	175	240	330	380	500	625	740	805	920	1025	1140	1360
<b>H1</b> [mm]	150	170	240	260	250	275	360	470	575	920	1100	1200	1360	1350	1700	2050
<b>Weight</b> [kg]	6	9	11	20	20	45	65	105	180	254	430	670	750	863	1125	1625

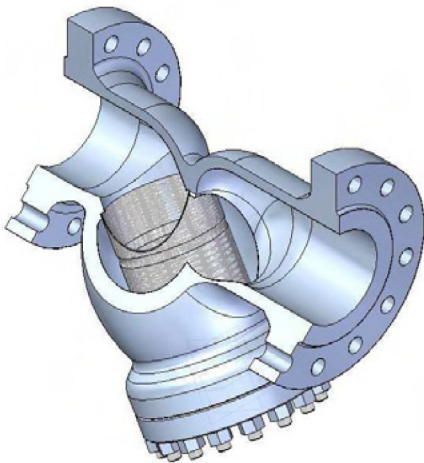
STANDARD PERFORATIONS: 1.5 mm  
SPECIAL PERFORATIONS ON REQUEST  
DRAIN PLUG: 3/4" NPT

**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)

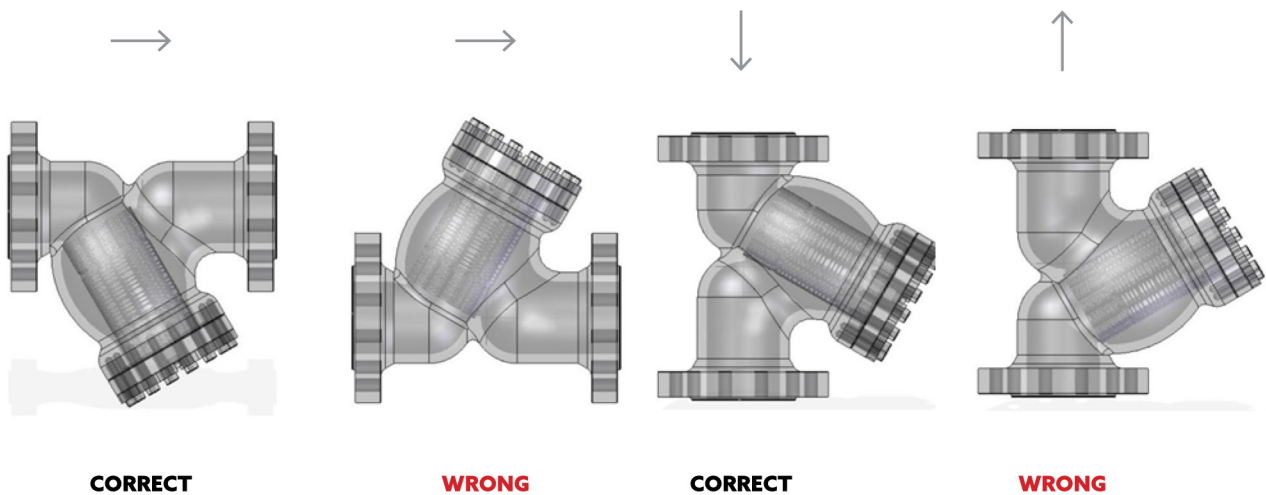


Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

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.



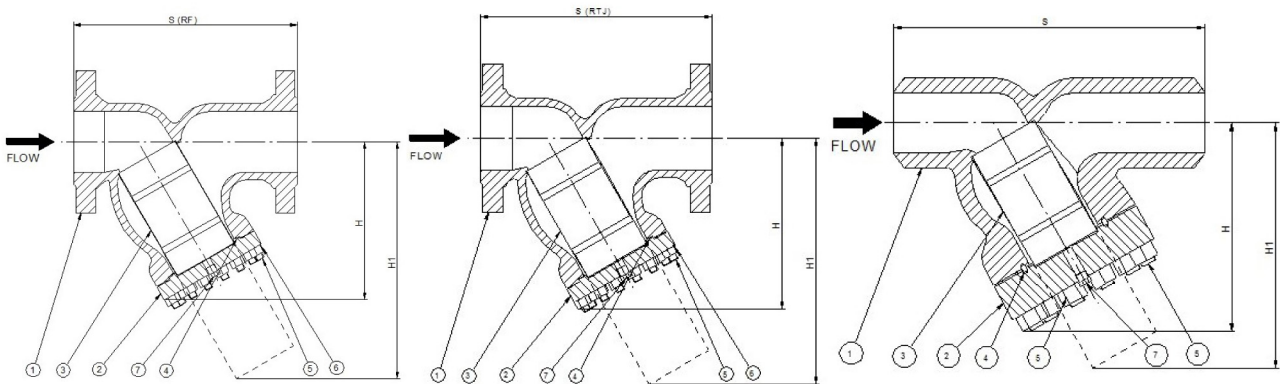
All strainers should be mounted as close as possible to the valve or machinery they are installed to protect. It is important to ensure that the strainer is installed with the flow following the same direction of the flow direction arrow cast on the strainer body.

**LIMITING CONDITIONS YSF800 (according to ISO 6552):**

According to the body rating (ANSI B 16.34)  
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"
<b>S (RTJ) [mm]</b>	165	191	203	216	295	259	435	562	663	790	841	892	994
<b>S(RF) [mm]</b>	165	191	203	216	292	356	432	559	660	787	838	889	991
<b>S [mm]</b>	165	191	203	216	292	356	432	559	660	787	838	889	991
<b>H [mm]</b>	120	140	115	170	193	260	310	400	500	600	720	865	991
<b>H1 [mm]</b>	180	210	240	240	270	320	400	530	650	790	1200	1420	1520
<b>Weight [kg]</b>	6	9	11	11	35	60	95	230	400	590	700	770	1140

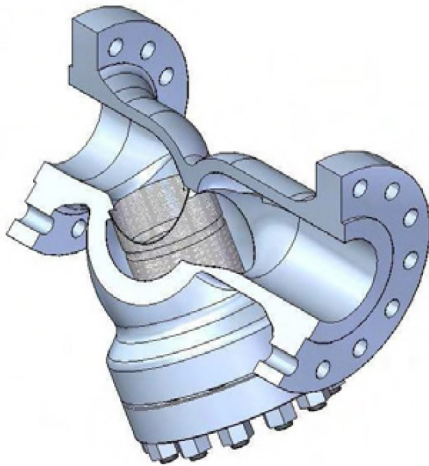
STANDARD PERFORATIONS: 1.5 mm  
SPECIAL PERFORATIONS ON REQUEST  
DRAIN PLUG: 3/4" NPT

**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)

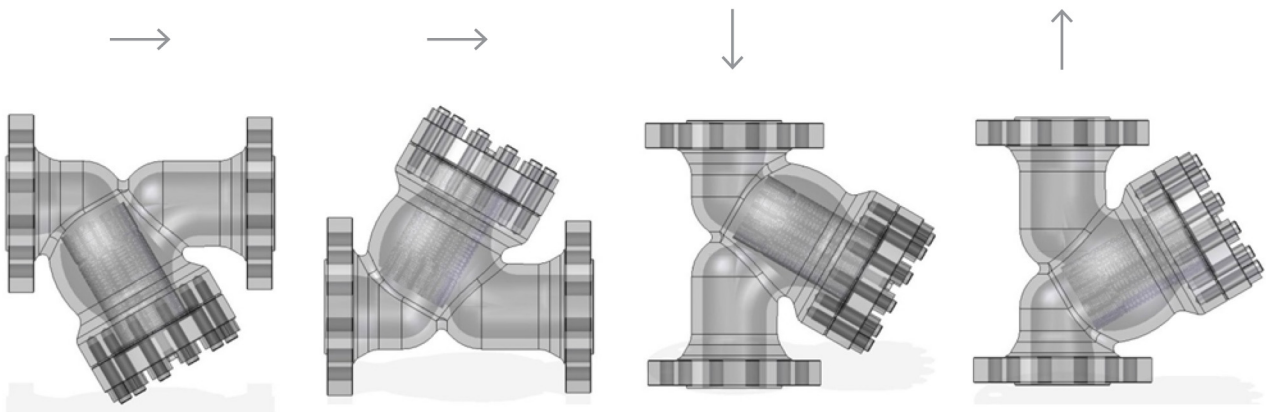


Designed according to ANSI B16.34 strainer bodies are produced with a higher wall thickness to increase corrosion allowance.

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.

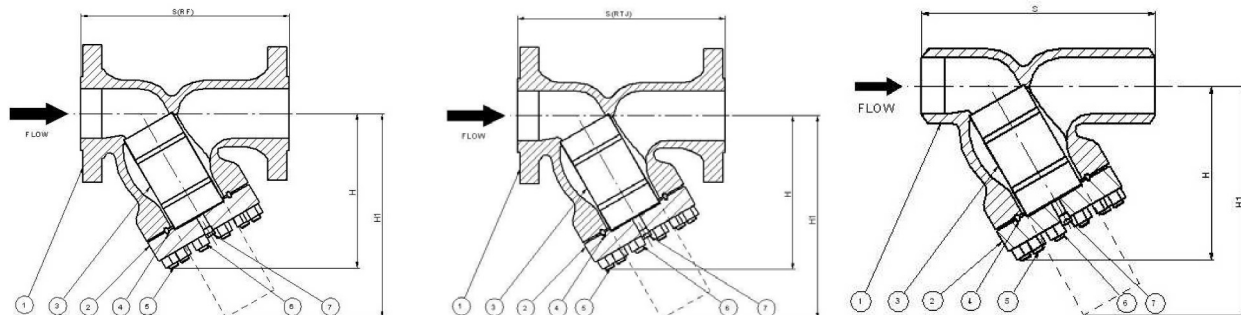


**LIMITING CONDITIONS YSF800 (according to ISO 6552):**

According to the body rating (ANSI B 16.34)  
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	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"
<b>S (RTJ) [mm]</b>	165	191	203	216	295	259	435	562	663	790	841	892	994
<b>S(RF) [mm]</b>	165	191	203	216	292	356	432	559	660	787	838	889	991
<b>S [mm]</b>	165	191	203	216	292	356	432	559	660	787	838	889	991
<b>H [mm]</b>	120	140	115	170	193	260	310	400	500	600	720	865	991
<b>H1 [mm]</b>	180	210	240	240	270	320	400	530	650	790	1200	1420	1520
<b>Weight [kg]</b>	6	9	11	11	35	60	95	230	400	590	700	770	1140

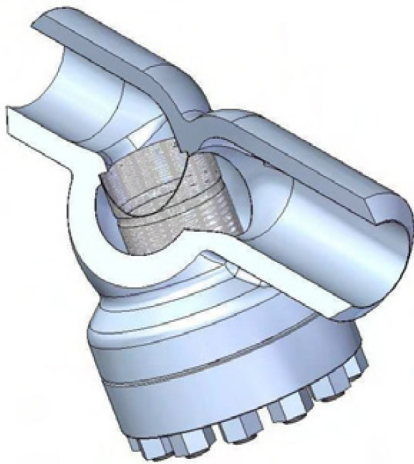
STANDARD PERFORATIONS: 1.5 mm  
SPECIAL PERFORATIONS ON REQUEST  
DRAIN PLUG: 3/4" NPT

**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)

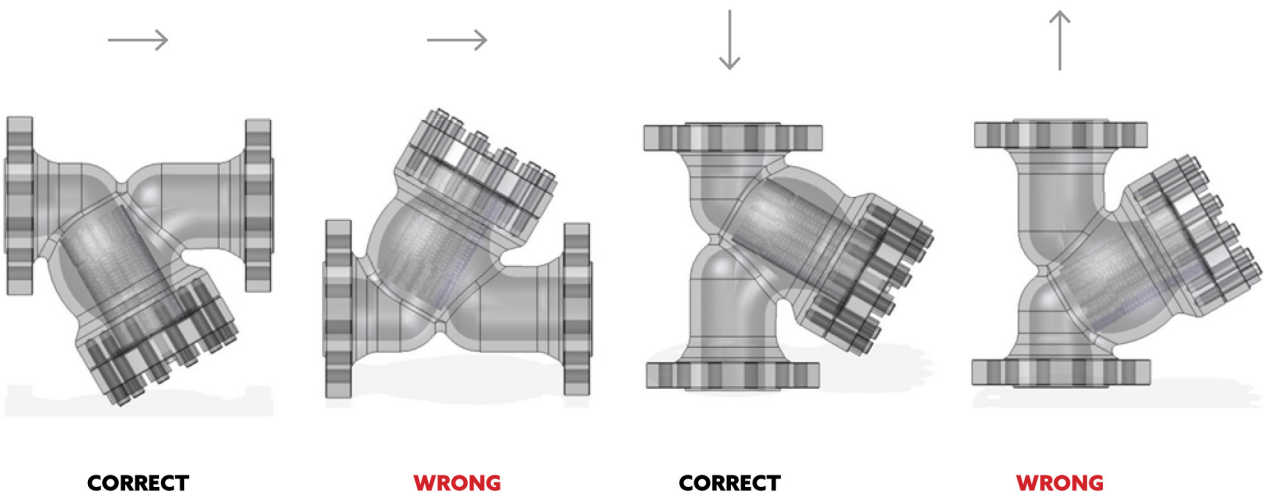


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Filtering area to inlet area ratio is higher than 3 to 1.

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.