

STRAINERS

“Y” FORGED

“Y” CAST

TEMPORARY

TEE

SIMPLEX

GO BACK



“ Y “ FORGED

F 800 A105

F 800 F316

F 1500 A105

F 1500 F316

GO BACK

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wall thickness for corrosion allowance.

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

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

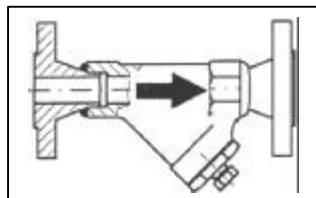
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

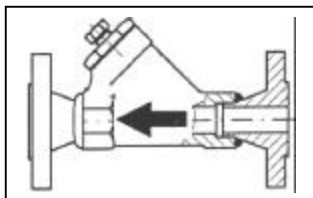
Screens with different perforation (or wire mesh) and materials may be manufactured on request.



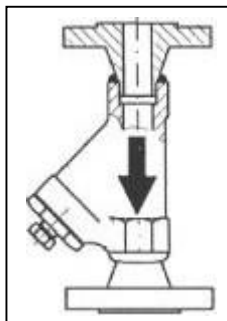
INSTALLATION



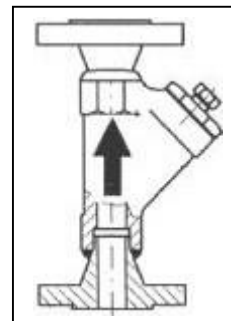
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ " Y " – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

3/8" – 1/2" – 3/4" – 1" – 1 1/2" – 2"

CONNECTIONS

Screwed	ANSI B1.20.1 (NPT) / BS21 (BSP)
Buttweld	ANSI B16.25
Socket Welding	ANSI B16.11
Flanged	ANSI / UNI / DIN

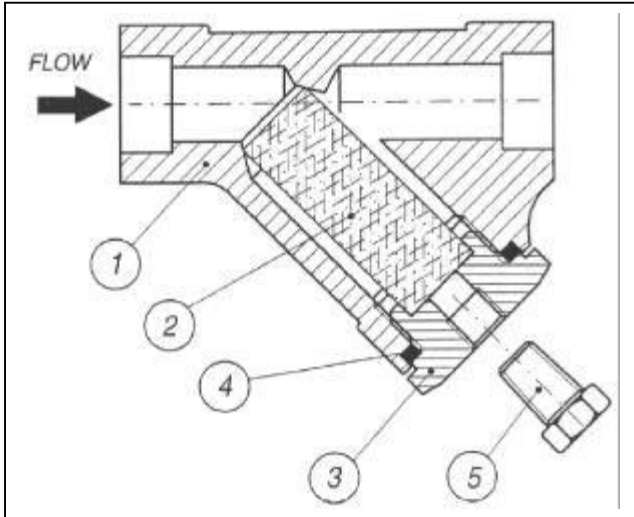
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

F800 – ANSI 800

OTHER RATINGS ON REQUEST

FORGED STEEL “ Y “ TYPE STRAINER DOUGLAS F800 A105

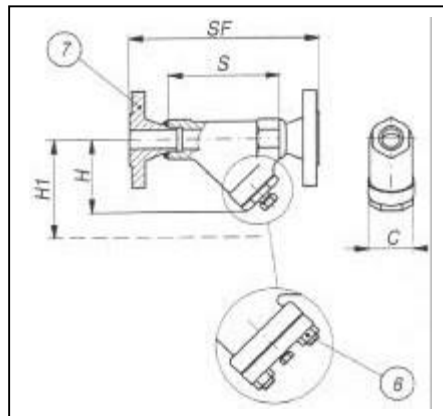


POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A105	
2	Screen	S.S.	
3	Plug	ASTM A105	
4	Gasket	316 / GRAPHITE	
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
6	Nuts	ASTM A194 2H	
7	Flange	ASTM A105	

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

Size (inches)	DRAIN PLUG	S	H	H1	C	Weight (Kg)	Flanged							
							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

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 year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. F800 A105 /304 F 0.8 1" NPT

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

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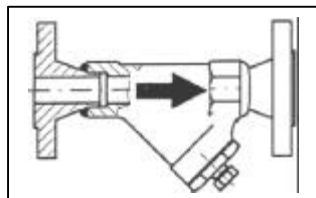
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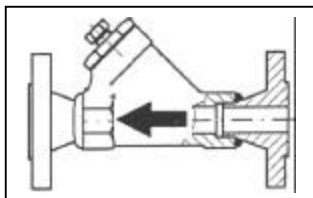
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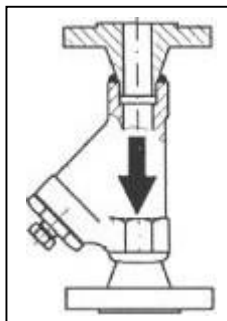
INSTALLATION



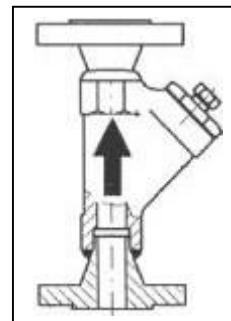
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- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ " Y " – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

3/8" – 1/2" – 3/4" – 1" – 1 1/2" – 2"

CONNECTIONS

Screwed	ANSI B1.20.1 (NPT) / BS21 (BSP)
Buttweld	ANSI B16.25
Socket Welding	ANSI B16.11
Flanged	ANSI / UNI / DIN

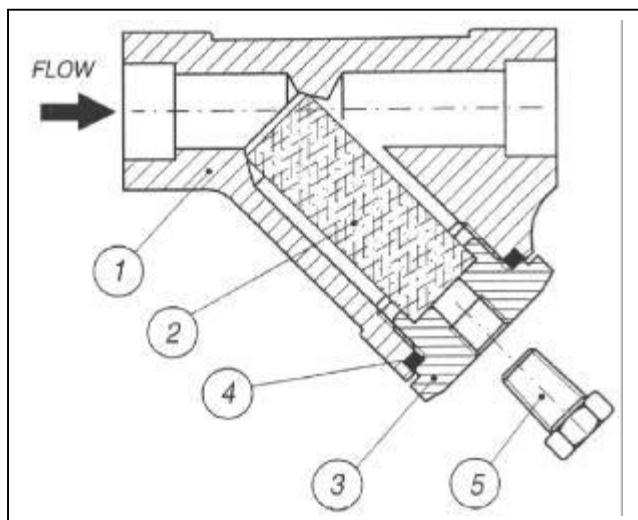
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

F800 – ANSI 800

OTHER RATINGS ON REQUEST

FORGED STEEL “ Y “ TYPE STRAINER DOUGLAS F800 F316

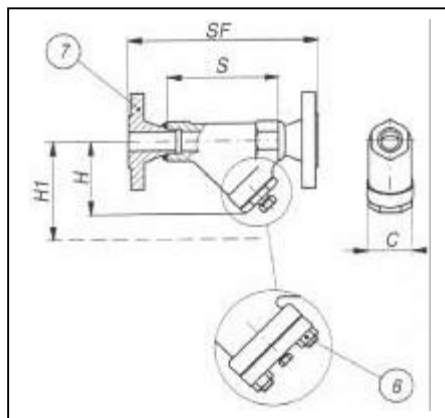


POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A182 F316	
2	Screen	S.S.	
3	Plug	AISI 316	
4	Gasket	316 / GRAPHITE	
5	Drain plug	ASTM A182 F316	
6	Studs	ASTM A193 B8	
6	Nuts	ASTM A194 2Gr.8	
7	Flange	ASTM A182 F316	

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

Size (inches)	DRAIN PLUG	S	H	H1	C	Weight (Kg)	Flanged							
							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	-	-	-	-	-	-	-	-
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STANDARD PERFORATIONS 0.8mm
SPECIAL PERFORATIONS ON REQUEST
Dimension : S, H, H1, C, SF are in millimeters (mm)



HOW TO SERVICE

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How to order: i.e. F800 F316 / 316 F 0.8 1" NPT

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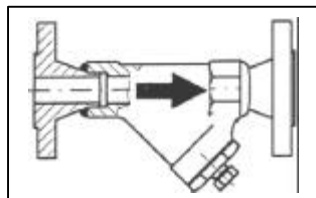
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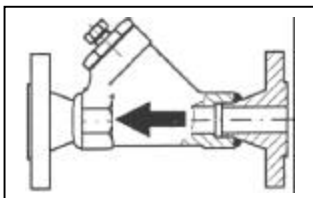
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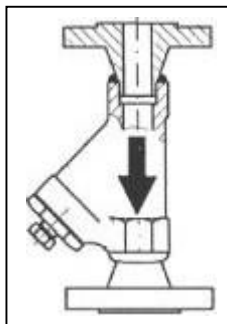
INSTALLATION



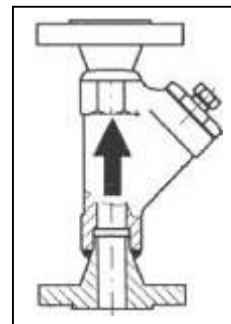
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SIZES

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CONNECTIONS

Screwed	ANSI B1.20.1 (NPT) / BS21 (BSP)
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Socket Welding	ANSI B16.11
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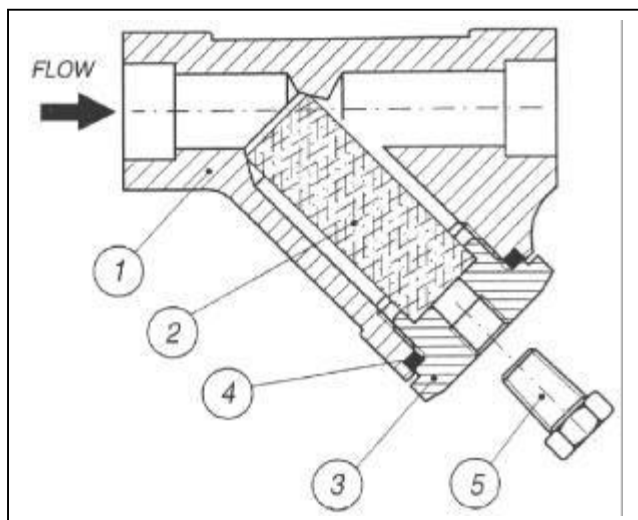
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

F1500 – ANSI 1500

OTHER RATINGS ON REQUEST

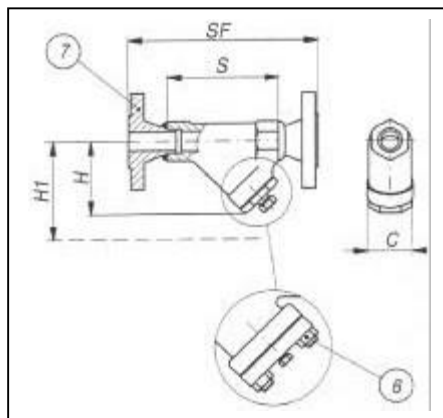
FORGED STEEL “ Y “ TYPE STRAINER DOUGLAS F1500 A105



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A105	
2	Screen	S.S.	
3	Plug	ASTM A105	
4	Gasket	316 / GRAPHITE	
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
6	Nuts	ASTM A194 2H	
7	Flange	ASTM A105	

POS.6 (BOLTED COVER) : F1500 1½" ONLY
OTHER MATERIALS ON REQUEST

Flanged								
Size (inches)	DRAIN PLUG	S	H	H1	C	Weight (Kg)	1500#	
½"	¼"	110	75	100	46	1.4	SF	Kg
¾"	¼"	130	93	140	56	2.2	216	5.5
1"	¼"	180	144	200	85	6.2	229	7
1½"	½"	185	140	200	100	7.5	254	13
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 year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. F1500 A105 /304 F 0.8 1" NPT

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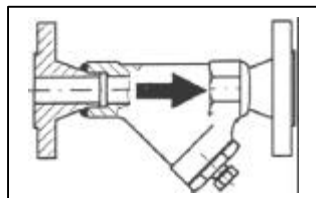
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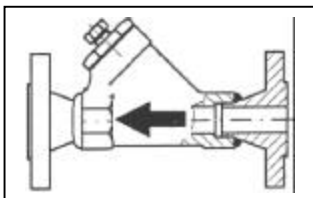
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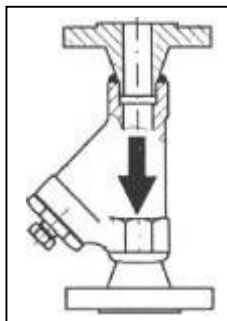
INSTALLATION



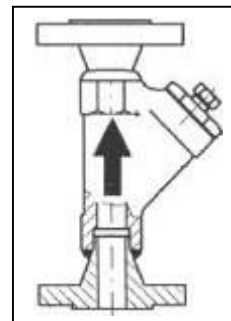
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SIZES

3/8" – 1/2" – 3/4" – 1" – 1 1/2" – 2"

CONNECTIONS

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

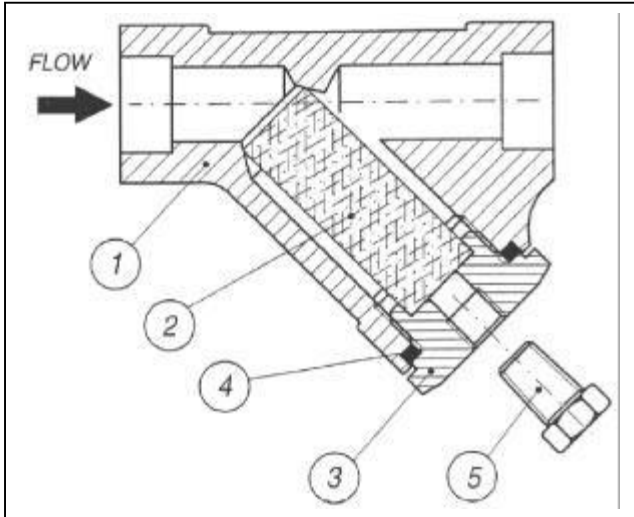
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

F1500 – ANSI 1500

OTHER RATINGS ON REQUEST

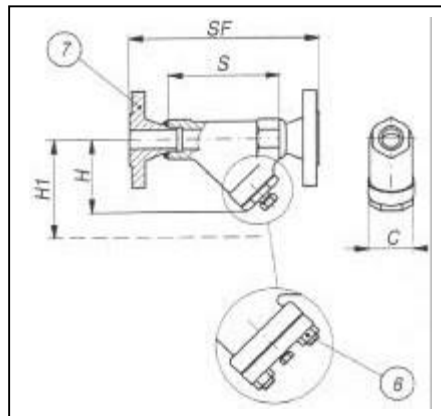
FORGED STEEL “ Y “ TYPE STRAINER DOUGLAS F1500 F316



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A182 F316	
2	Screen	S.S.	
3	Plug	AISI 316	
4	Gasket	316 / GRAPHITE	
5	Drain plug	ASTM A182 F316	
6	Studs	ASTM A193 B8	
6	Nuts	ASTM A194 2Gr.8	
7	Flange	ASTM A182 F316	

POS.6 (BOLTED COVER) : F1500 1½" ONLY
OTHER MATERIALS ON REQUEST

Flanged								
Size (inches)	DRAIN PLUG	S	H	H1	C	Weight (Kg)	1500#	
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Dimension : S, H, H1, C, SF are in millimeters (mm)								



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How to order: i.e. F1500 F316 / 316 F 0.8 1" NPT

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com



“ Y “ CAST

C 150 WCB

C 150 CF8M

C 300 WCB

C 300 CF8M

C 600 WCB

C 600 CF8M

C 900 WCB

C 900 CF8M

C 900 PS WCB

C 900 PS CF8M

C 1500 WCB

C 1500 CF8M

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GO BACK

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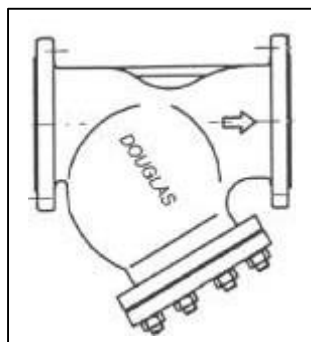
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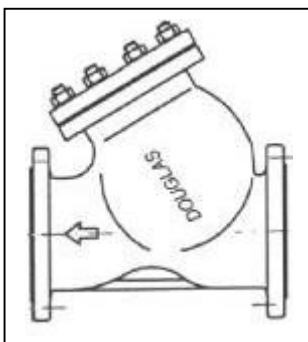
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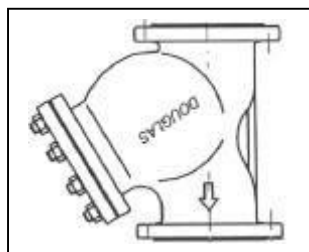
INSTALLATION



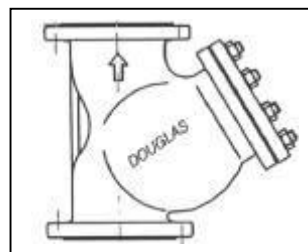
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SIZES

2"-3"-4"-6"-8"-10"-12"-14"-16"-18"-20"-24"

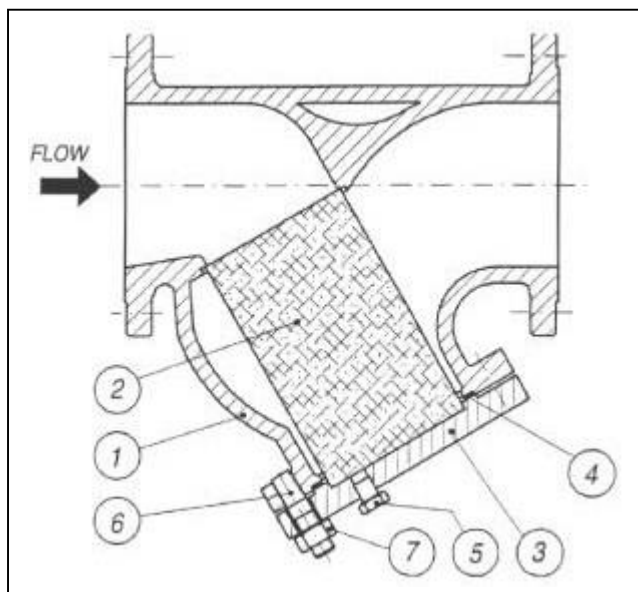
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)
C150 – ANSI 150
OTHER RATINGS ON REQUEST

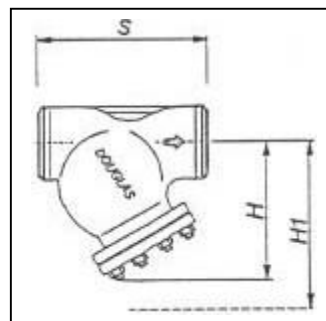
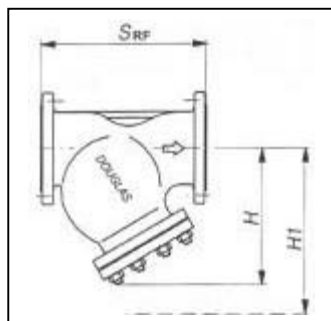
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C150 WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Cover	ASTM A105	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
7	Nuts	ASTM A194 2H	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
SRF	203	241	292	406	495	622	699	788	914	978	978	1295
S	203	241	292	406	495	622	699	788	914	978	978	1295
H	140	210	270	360	460	570	700	770	870	975	1095	1300
H1	190	260	340	400	580	660	800	1200	1400	1530	1750	2040
Kg	14	26	40	68	140	190	270	350	640	700	895	1370

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST . DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C150 WCB / 304 F 1.5 2" 150 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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

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

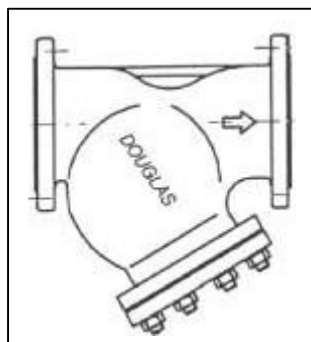
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

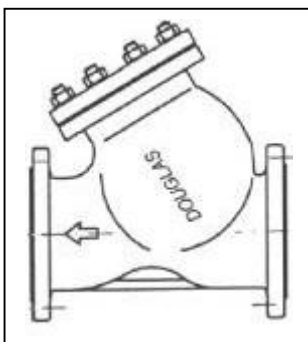
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



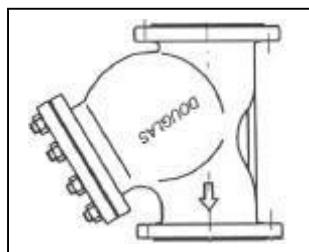
INSTALLATION



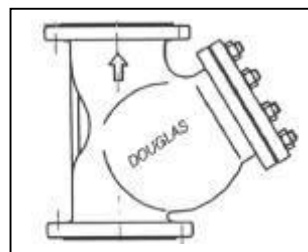
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ "Y" – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2"-3"-4"-6"-8"-10"-12"-14"-16"-18"-20"-24"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

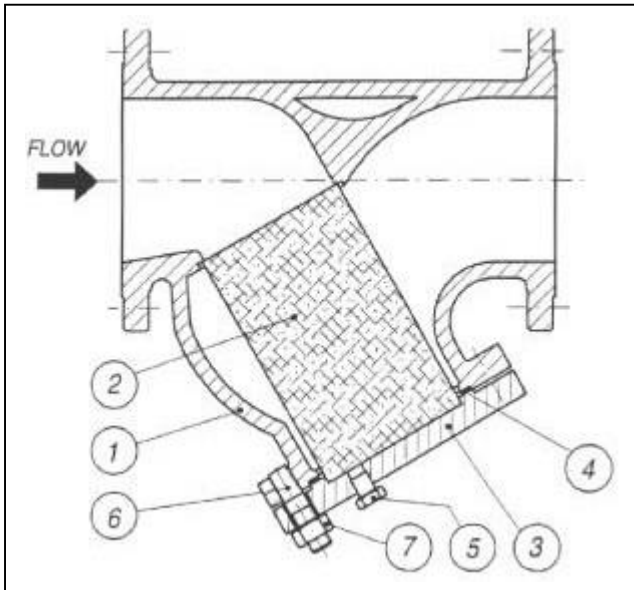
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C150 – ANSI 150

OTHER RATINGS ON REQUEST

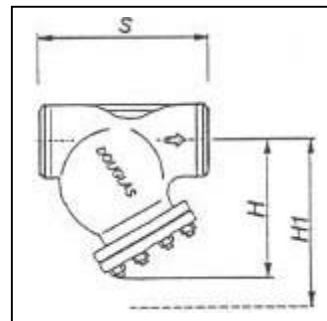
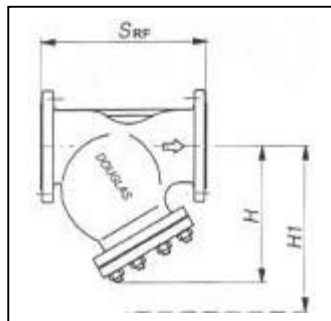
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C150 CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Cover	ASTM A240 316	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	AISI 316	
6	Studs	ASTM A193 B8	
7	Nuts	ASTM A194 Gr.8	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
SRF	203	241	292	406	495	622	699	788	914	978	978	1295
S	203	241	292	406	495	622	699	788	914	978	978	1295
H	140	210	270	360	460	570	700	770	870	975	1095	1300
H1	190	260	340	400	580	660	800	1200	1400	1530	1750	2040
Kg	14	26	40	68	140	190	270	350	640	700	895	1370

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST . DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C150 CF8M / 316 F 1.5 2" 150 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

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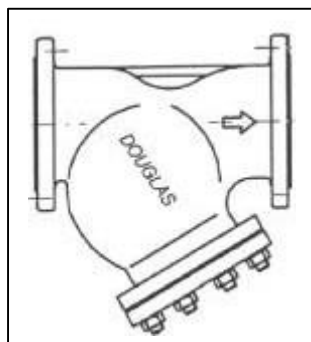
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

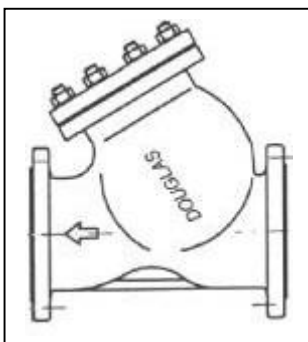
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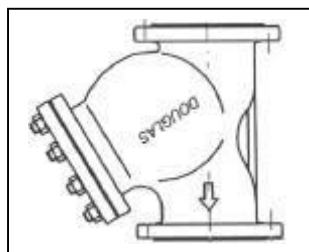
INSTALLATION



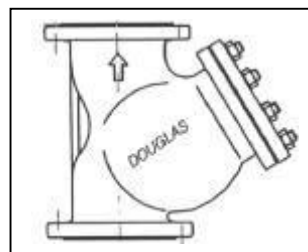
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ “ Y “ – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2”-3”-4”-6”-8”-10”-12”-14”-16”-18”-20”-24”

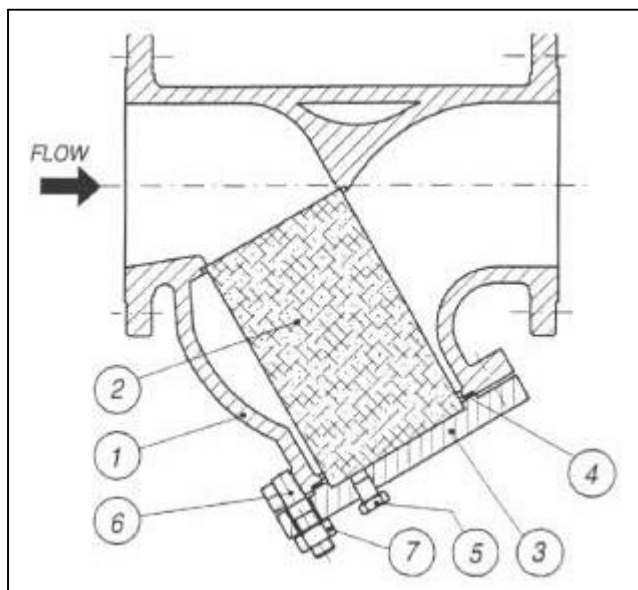
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)
C300 – ANSI 300
OTHER RATINGS ON REQUEST

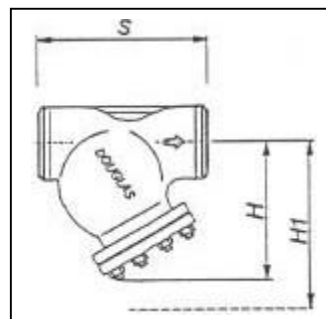
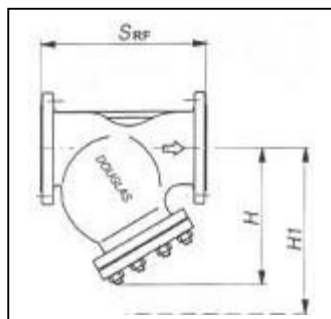
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C300 WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Cover	ASTM A105	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
7	Nuts	ASTM A194 2H	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
SRF	267	318	356	445	559	622	711	838	864	978	1016	1346
S	267	318	356	445	559	622	711	838	864	978	1016	1346
H	175	240	330	380	500	625	740	805	920	1025	1140	1360
H1	250	275	360	470	575	920	1100	1200	1360	1350	1700	2050
Kg	20	45	65	105	180	254	430	670	750	863	1125	1625

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST . DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C300 WCB / 304 F 1.5 2" 300 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

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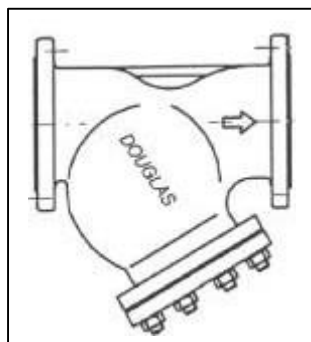
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

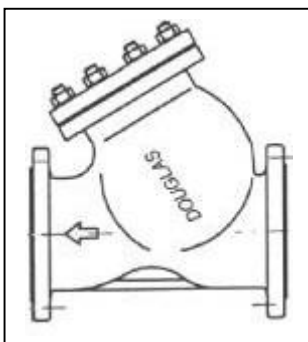
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



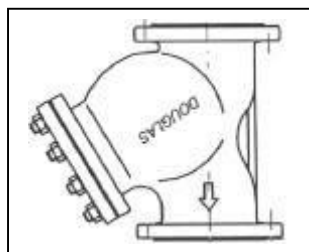
INSTALLATION



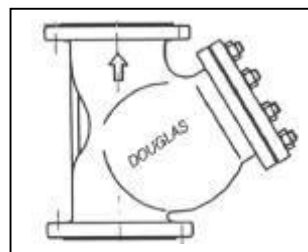
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ "Y" – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2"-3"-4"-6"-8"-10"-12"-14"-16"-18"-20"-24"

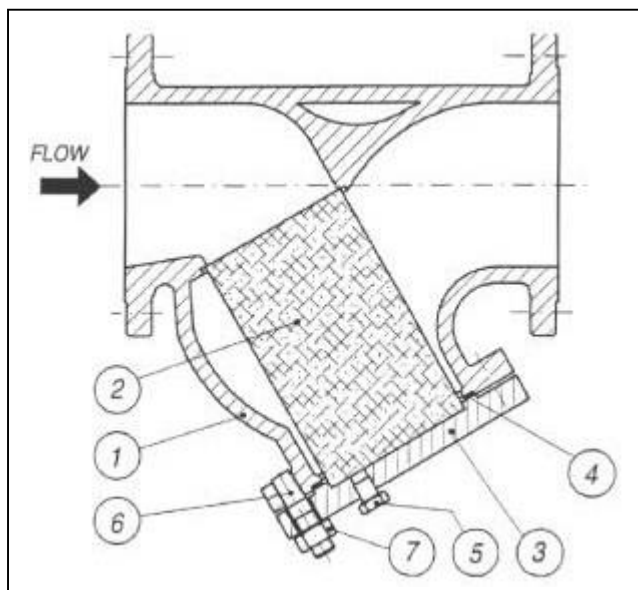
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)
 C300 – ANSI 300
 OTHER RATINGS ON REQUEST

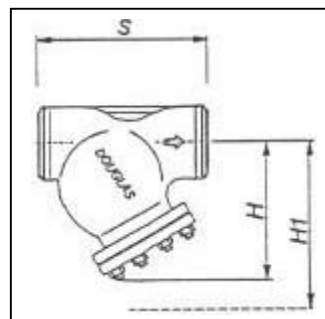
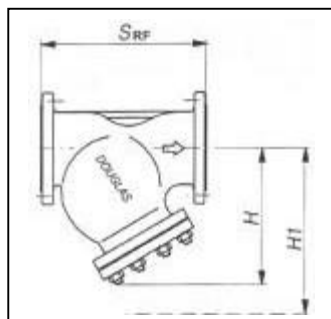
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C300 CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Cover	ASTM A240 316	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	AISI 316	
6	Studs	ASTM A193 B8	
7	Nuts	ASTM A194 Gr.8	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
SRF	267	318	356	445	559	622	711	838	864	978	1016	1346
S	267	318	356	445	559	622	711	838	864	978	1016	1346
H	175	240	330	380	500	625	740	805	920	1025	1140	1360
H1	250	275	360	470	575	920	1100	1200	1360	1350	1700	2050
Kg	20	45	65	105	180	254	430	670	750	863	1125	1625

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST . DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C300 CF8M / 316 F 1.5 2" 300 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

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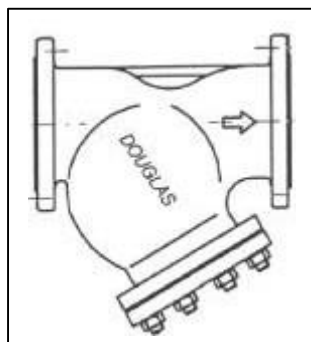
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

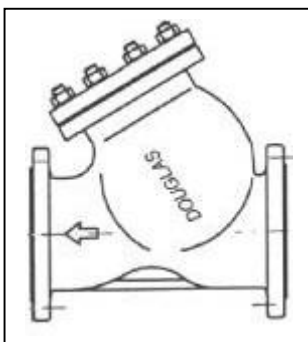
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



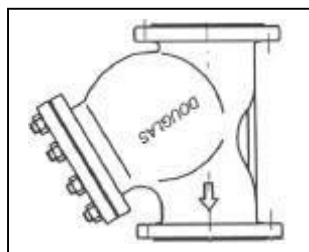
INSTALLATION



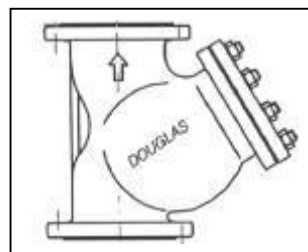
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

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- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ “ Y “ – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2”-3”-4”-6”-8”-10”-12”-14”-16”

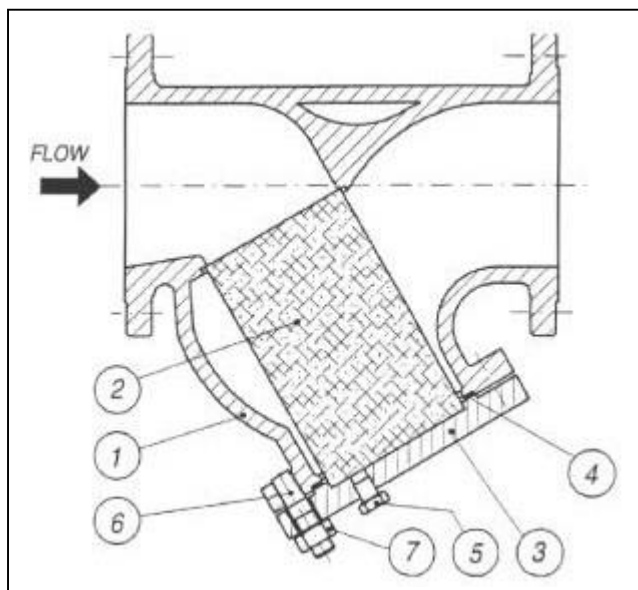
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

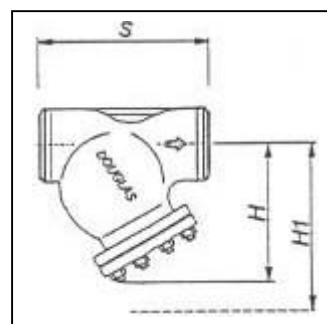
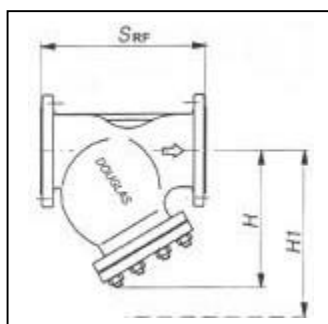
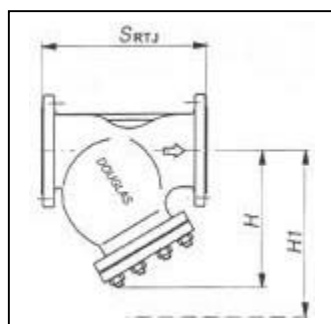
According to the body rating (ANSI B16.34)
C600 – ANSI 600
OTHER RATINGS ON REQUEST

CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C600 WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Cover	ASTM A105	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
7	Nuts	ASTM A194 2H	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"
SRTJ	295	259	435	562	663	790	841	892	994
SRF	292	356	432	559	660	787	838	889	991
S	292	356	432	559	660	787	838	889	991
H	193	260	310	400	500	600	720	865	1180
H1	270	320	400	530	650	790	1200	1420	1520
Kg	35	60	95	230	400	590	700	770	1140
STANDARD PERFORATIONS 1.5 mm SPECIAL PERFORATIONS ON REQUEST . DRAIN PLUG SIZE ¾"									
Dimension : SRF , S , H , H1 are in millimeters (mm)									



HOW TO SERVICE

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How to order: i.e. C600 WCB / 304 F 1.5 2" 600 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

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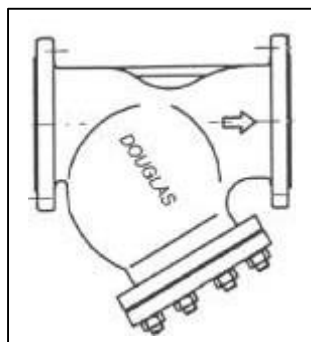
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

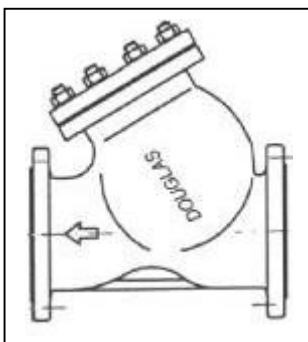
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



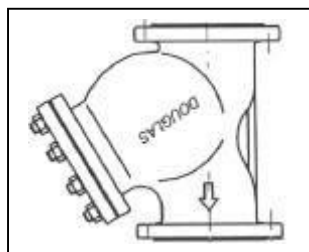
INSTALLATION



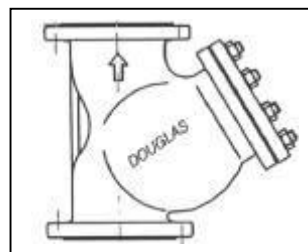
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ " Y " – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2"-3"-4"-6"-8"-10"-12"-14"-16"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

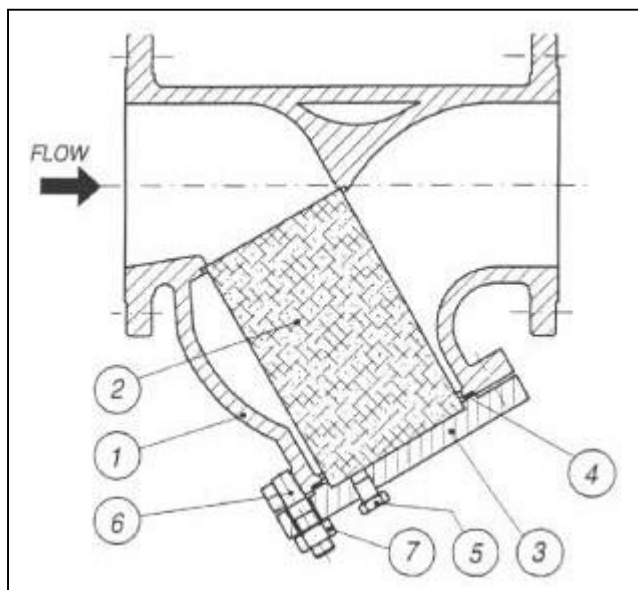
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C600 – ANSI 600

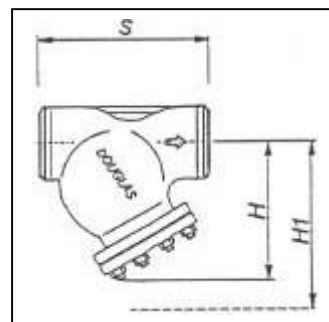
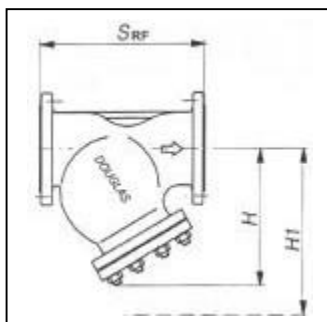
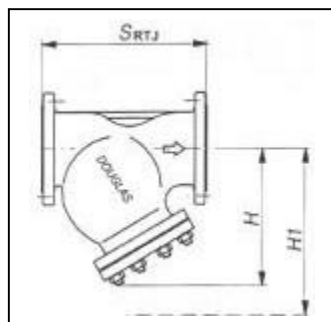
OTHER RATINGS ON REQUEST

CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C600 CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Cover	ASTM A240 316	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	AISI 316	
6	Studs	ASTM A193 B8	
7	Nuts	ASTM A194 Gr.8	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"	14"	16"
SRTJ	295	259	435	562	663	790	841	892	994
SRF	292	356	432	559	660	787	838	889	991
S	292	356	432	559	660	787	838	889	991
H	193	260	310	400	500	600	720	865	1180
H1	270	320	400	530	650	790	1200	1420	1520
Kg	35	60	95	230	400	590	700	770	1140
STANDARD PERFORATIONS 1.5 mm									
SPECIAL PERFORATIONS ON REQUEST . DRAIN PLUG SIZE ¾"									
Dimension : SRF , S , H , H1 are in millimeters (mm)									



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C600 CF8M / 316 F 1.5 2" 600 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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

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

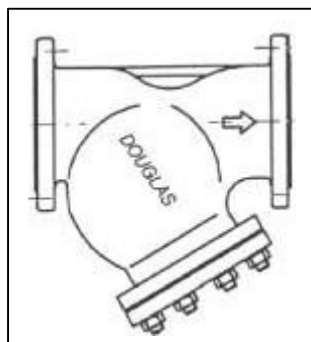
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

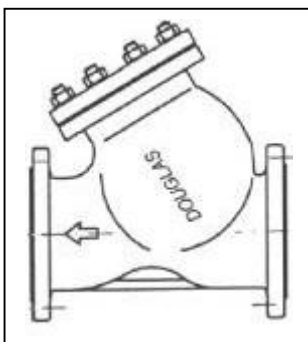
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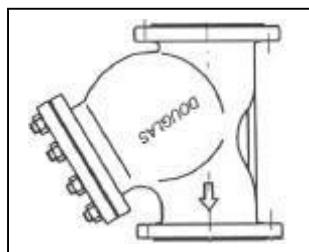
INSTALLATION



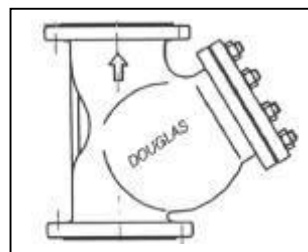
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ “ Y “ – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2”-3”-4”-6”-8”-10”-12”

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

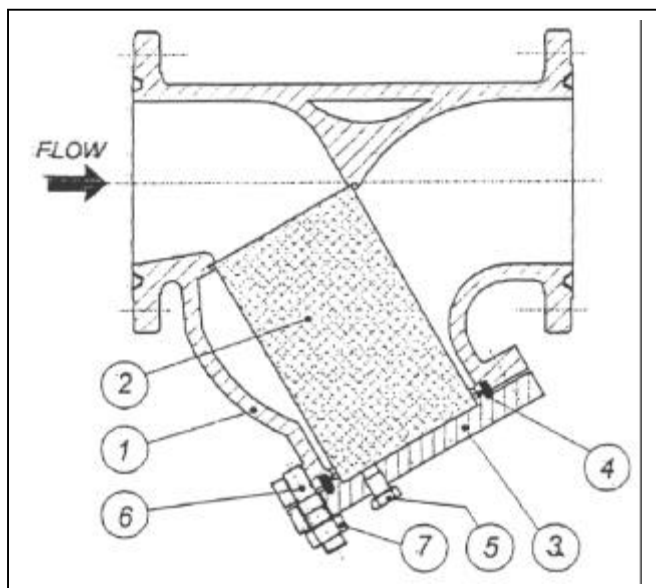
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C900 – ANSI 900

OTHER RATINGS ON REQUEST

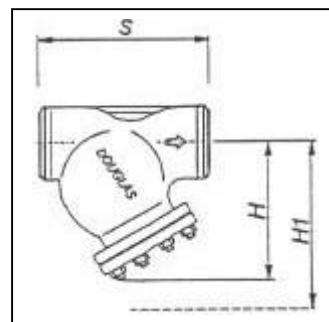
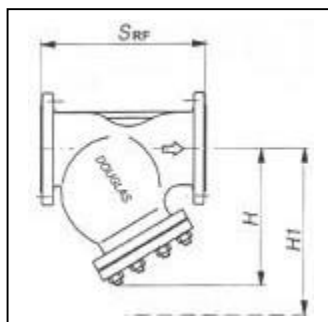
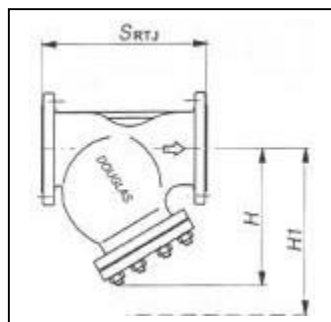
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C900 WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Cover	ASTM A105	
4	Gasket RJ	ARMCO	X
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
7	Nuts	ASTM A194 2H	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"
SRTJ	371	384	460	613	740	841	968
SRF	368	381	457	610	737	838	965
S	368	381	457	610	737	838	965
H	250	295	375	555	665	650	650
H1	400	320	435	630	780	890	976
Kg	55	83	155	261	600	1494	1750

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C900 WCB / 304 F 1.5 2" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

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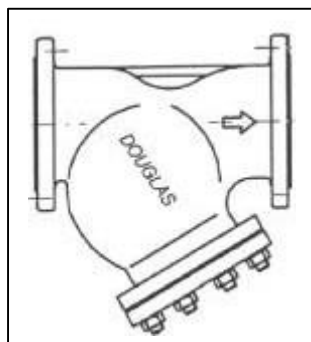
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

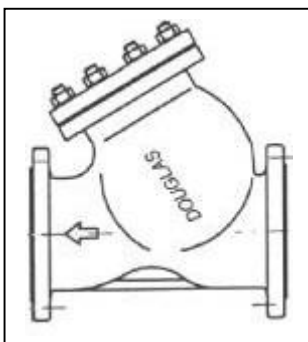
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



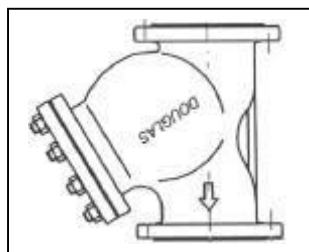
INSTALLATION



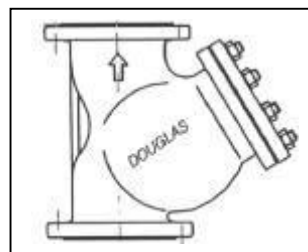
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ “ Y “ – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2”-3”-4”-6”-8”-10”-12”

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

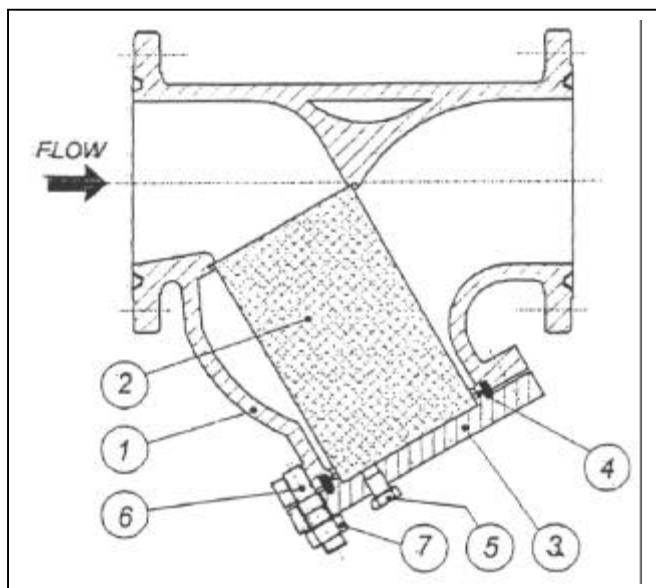
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C900 – ANSI 900

OTHER RATINGS ON REQUEST

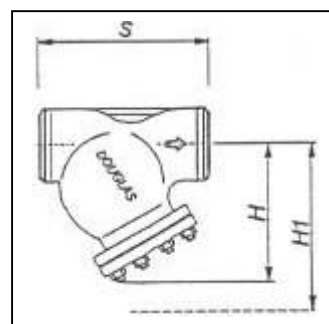
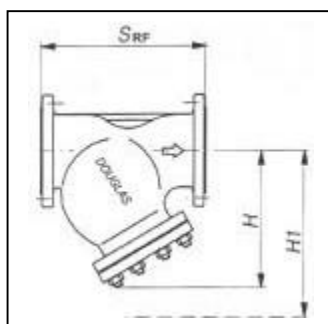
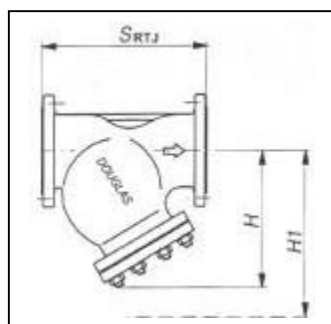
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C900 CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Cover	ASTM A240 316	
4	Gasket RJ	F316	X
5	Drain plug	AISI 316	
6	Studs	ASTM A193 B8	
7	Nuts	ASTM A194 Gr.8	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"	10"	12"
SRTJ	371	384	460	613	740	841	968
SRF	368	381	457	610	737	838	965
S	368	381	457	610	737	838	965
H	250	295	375	555	665	650	650
H1	400	320	435	630	780	890	976
Kg	55	83	155	261	600	1494	1750

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C900 CF8M / 316 F 1.5 2" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

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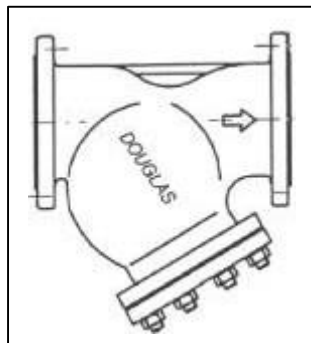
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

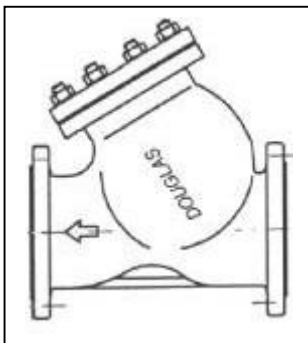
Screens with different perforation (or wire mesh) and materials may be manufactured on request.



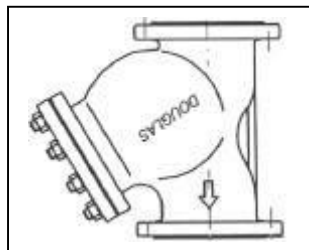
INSTALLATION



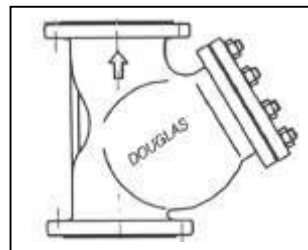
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ "Y" – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

16"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

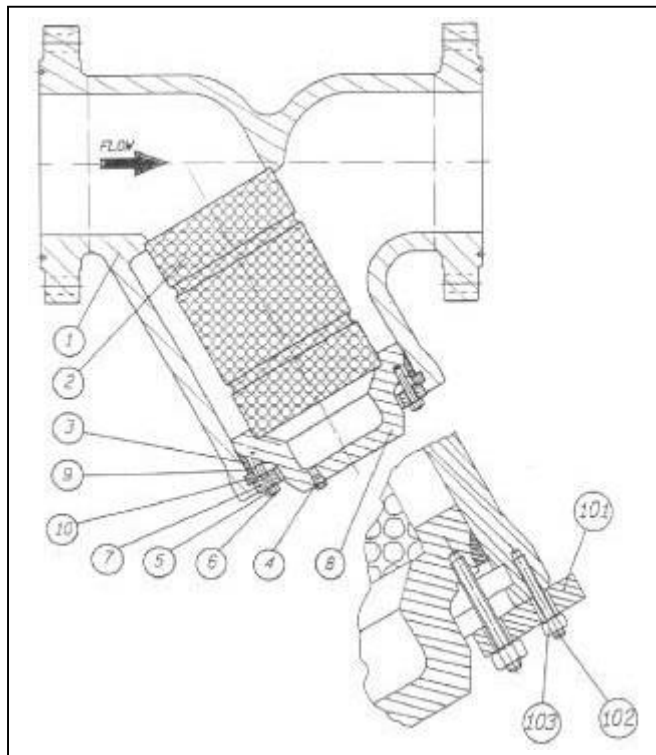
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C900 – ANSI 900

OTHER RATINGS ON REQUEST

CAST STEEL “ Y “ TYPE PRESSURE SEAL STRAINERS C900 WCB

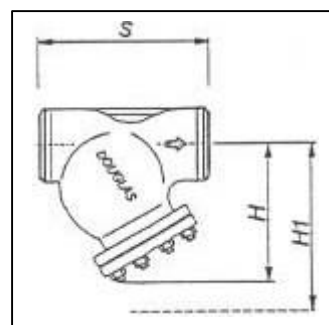
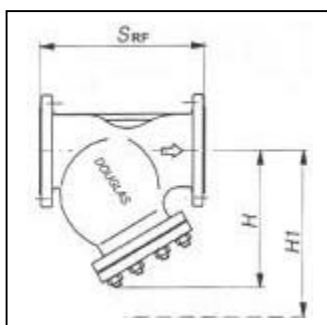
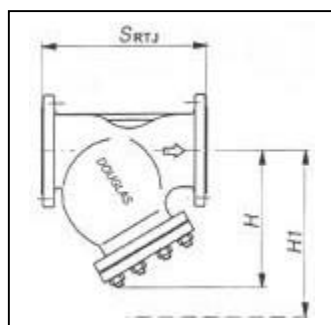


POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Gasket	S.S. 304	X
4	Drain plug	A105	
5	Nuts	ASTM A194 2H	
6	Studs	ASTM A193 B7	
7	Sleeve	ASTM A105	
8	Cover	ASTM A105	
9	Ring	ASTM A182 F6	
10	Retain ring	ASTM A182 F6	

OTHER MATERIALS ON REQUEST

Size (inches)	16"
SRTJ	1140
SRF	1092
S	1092
H	865
H1	1340
Kg	-

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF, S, H, H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities through the drain-plug on cover (4). This operation is faster if a drain valve is installed. For a complete maintenance follow the points herebelow: -1- Be sure that the main line has been shut-off.

-2- Untighten nuts (5) remove sleeve (7) and studs (6). -3- Remove retain ring (10) -4- Reinstall the studs (6) to the cover and install studs (102) into threaded holes drilled on the screen casing end. Install four shims (101) with nuts (5 and 103) as per enclosed drawing. -5- Tighten the nuts (5) driving the cover (8) against the shims (101). This will also extract the gasket (3) from its seat and then until the gasket (3) is completely extracted from its seat and the cover (8) can be withdraw from the body. -6- Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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.** -7- Carefully clean the inside of the strainer body. -8- Install the new screen or the old cleaned one (2). Be sure the center the screen in the upper seat. -9- Install the cover (8) without the studs (6) making sure the screen (2) fits correctly in the cover seat. Check that the cover (8) is fully inserted in the body to allow the installation of the retain ring (10). -10- Install a new gasket (3) and the spacer ring (9). -11- Install retaining ring (10) in their recess in the body, making sure that the holes are visible. -12- Place the sleeve (7) in contact with its seat on the body (1). -13- Slowly cross-tighten the nuts (5) taking care that the cover (8) is kept in axis with the body. This is easily checked watching the gap between the sleeve (7) hole and cover's (8) hub. -14- Slowly give pressure to the line, checking for leakages. -15- Write on the strainer body or tag the date of this maintenance operation.

How to order: i.e. C900 WCB / 304 F 1.5 16" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

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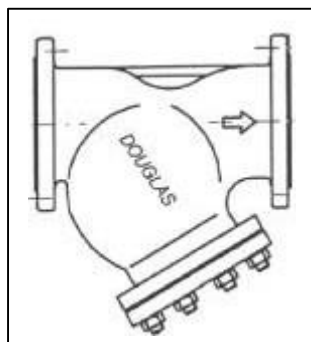
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

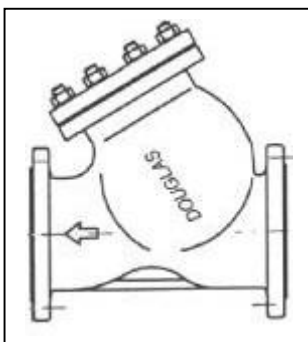
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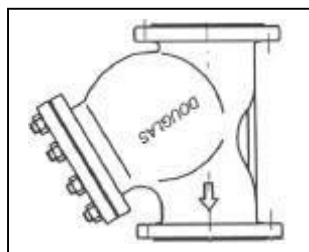
INSTALLATION



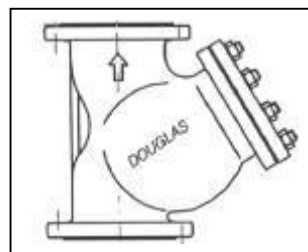
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
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- ☐ " Y " – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

16"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

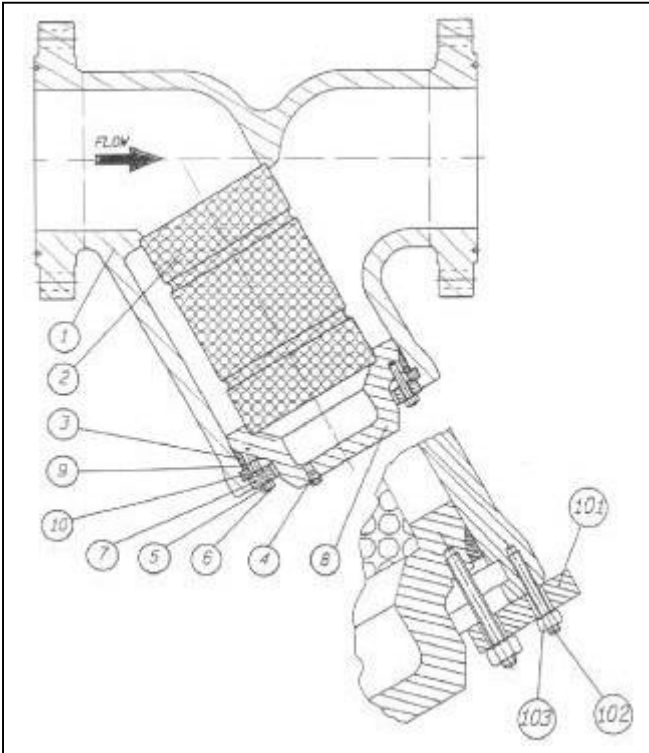
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C900 – ANSI 900

OTHER RATINGS ON REQUEST

CAST STEEL “ Y “ TYPE PRESSURE SEAL STRAINERS C900 CF8M

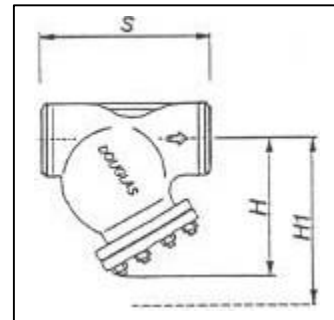
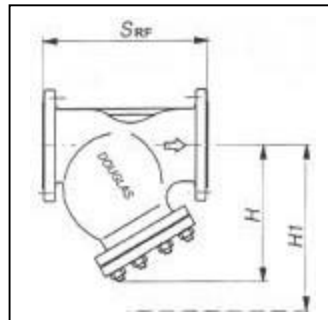
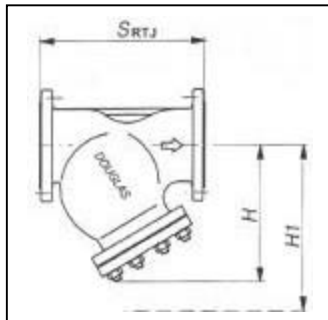


POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Gasket	A182 F316	X
4	Drain plug	S.S. 316	
5	Nuts	A194 Gr.8	
6	Studs	A193 B8	
7	Sleeve	A182 F316	
8	Cover	A182 F316	
9	Ring	A182 F6	
10	Retain ring	A182 F6	

OTHER MATERIALS ON REQUEST

Size (inches)	16"
SRTJ	1140
SRF	1092
S	1092
H	865
H1	1340
Kg	-

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough the drain-plug on cover (4). This operation is faster if a drain valve is installed. For a complete maintenance follow the points herebelow: -1- Be sure that the main line has been shut-off.

-2- Untighten nuts (5) remove sleeve (7) and studs (6). -3- Remove retain ring (10) -4- Reinstall the studs (6) to the cover and install studs (102) into threaded holes drilled on the screen casing end. Install four shims (101) with nuts (5 and 103) as per enclosed drawing. -5- Tighten the nuts (5) driving the cover (8) against the shims (101). This will also extract the gasket (3) from its seat and then until the gasket (3) is completely extracted from its seat and the cover (8) can be withdraw from the body. -6- Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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.** -7- Carefully clean the inside of the strainer body. -8- Install the new screen or the old cleaned one (2). Be sure the center the screen in the upper seat. -9- Install the cover (8) without the studs (6) making sure the screen (2) fits correctly in the cover seat. Check that the cover (8) is fully inserted in the body to allow the installation of the retain ring (10). -10- Install a new gasket (3) and the spacer ring (9). -11- Install retaining ring (10) in their recess in the body, making sure that the holes are visible. -12- Place the sleeve (7) in contact with its seat on the body (1). -13- Slowly cross-tighten the nuts (5) taking care that the cover (8) is kept in axis with the body. This is easily checked watching the gap between the sleeve (7) hole and cover's (8) hub. -14- Slowly give pressure to the line, checking for leakages. -15- Write on the strainer body or tag the date of this maintenance operation.

How to order: i.e. C900 CF8M / 316 F 1.5 16" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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

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

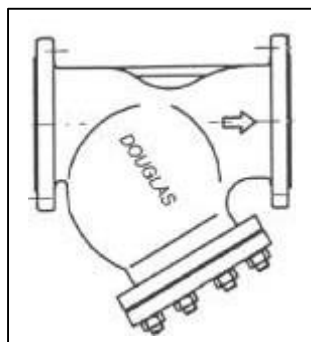
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

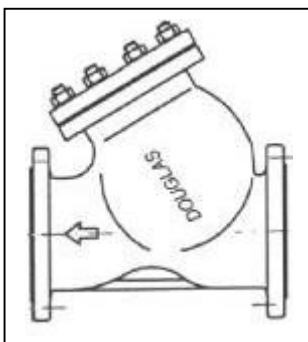
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



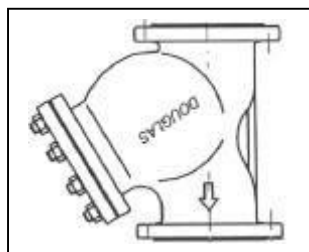
INSTALLATION



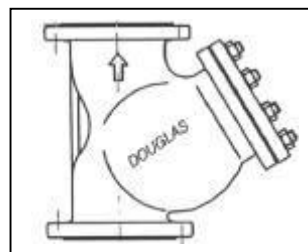
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ "Y" – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

SIZES

2"–3"–4"–6"–8"

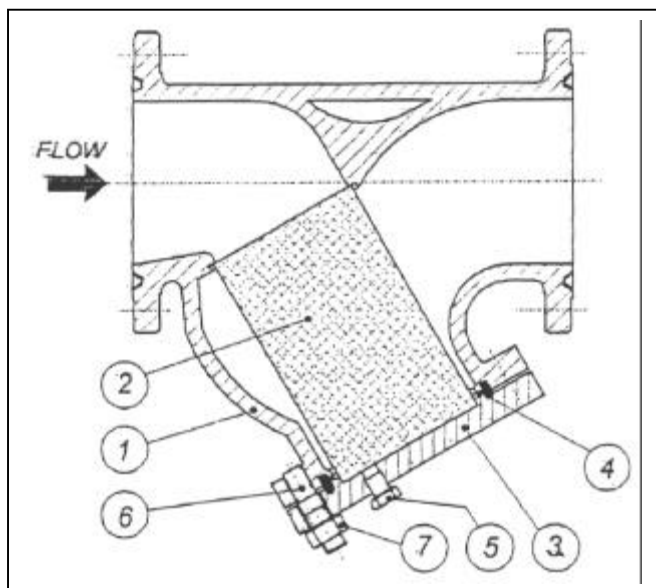
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)
 C1500 – ANSI 1500
 OTHER RATINGS ON REQUEST

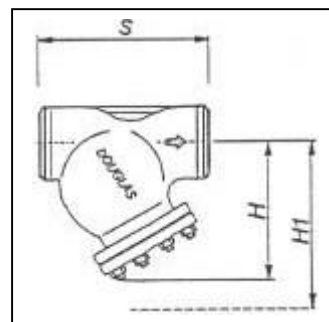
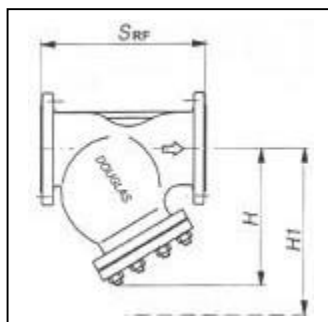
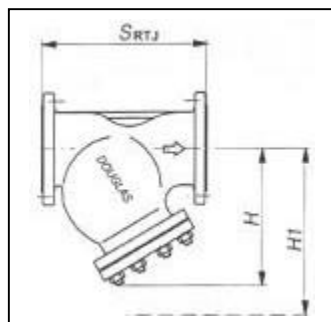
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C1500 WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Cover	ASTM A105	
4	Gasket RJ	ARMCO	X
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
7	Nuts	ASTM A194 2H	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"
SRTJ	371	473	549	711.5	842
SRF	368	470	546	705	832
S	368	470	546	705	832
H	250	325	375	480	620
H1	400	540	600	750	900
Kg	60	100	160	400	600

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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 in place cover (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.

How to order: i.e. C1500 WCB / 304 F 1.5 2" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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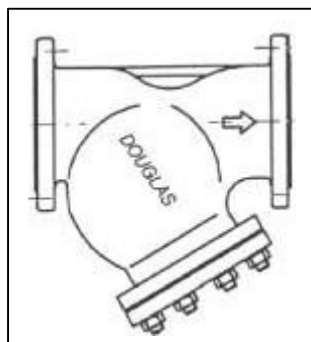
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

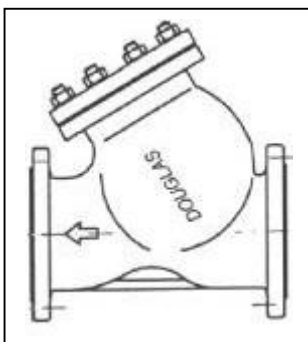
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



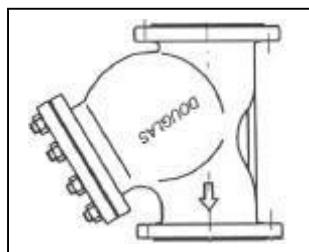
INSTALLATION



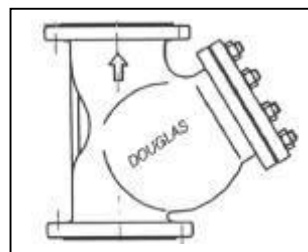
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ “ Y “ – strainers should never be installed in vertical pipelines in the upward flow condition (see above)

SIZES

2”-3”-4”-6”-8”

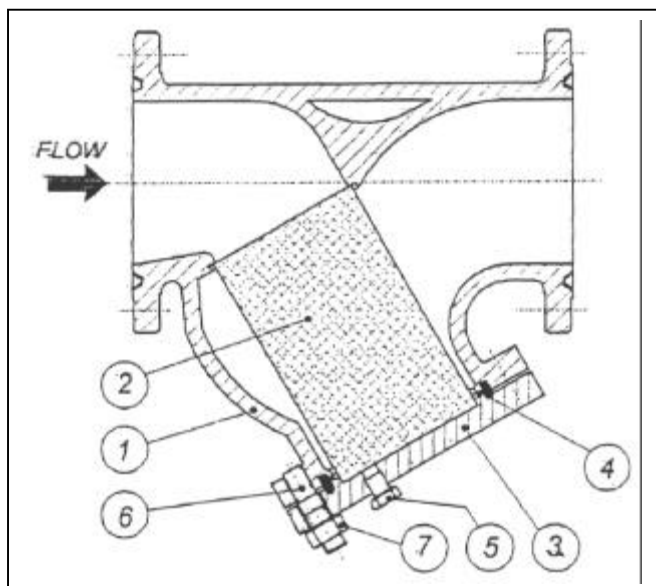
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)
C1500 – ANSI 1500
OTHER RATINGS ON REQUEST

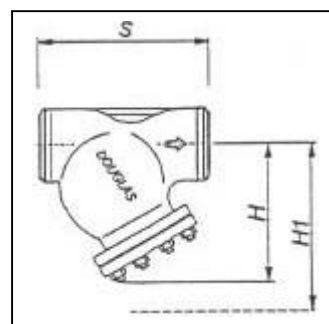
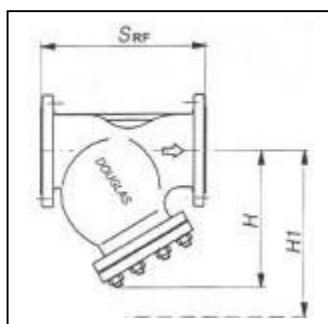
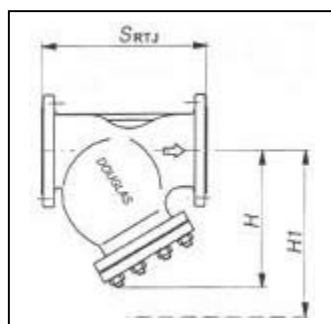
CAST STEEL “ Y “ TYPE STRAINERS DOUGLAS C1500 CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Cover	ASTM A240 316	
4	Gasket RJ	F316	X
5	Drain plug	AISI 316	
6	Studs	ASTM A193 B8	
7	Nuts	ASTM A194 Gr.8	
OTHER MATERIALS ON REQUEST			

Size (inches)	2"	3"	4"	6"	8"
SRTJ	371	473	549	711.5	842
SRF	368	470	546	705	832
S	368	470	546	705	832
H	250	325	375	480	620
H1	400	540	600	750	900
Kg	60	100	160	400	600

STANDARD PERFORATIONS 1.5 mm
SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough 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 (6) and nuts (7) and remove cover (3) and gasket (4). **-3-** Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found abstracted, 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 in place cover (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.

How to order: i.e. C1500 CF8M / 316 F 1.5 2" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wall thickness for corrosion allowance.

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

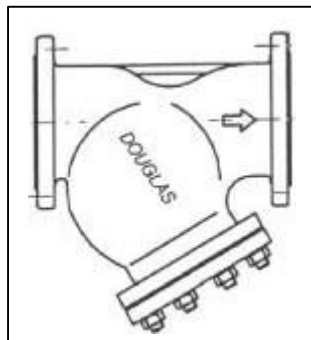
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

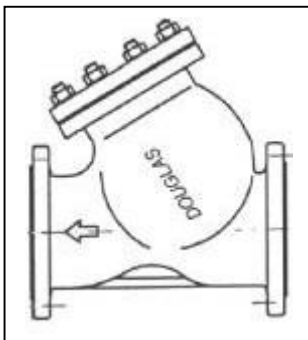
Screens with different perforation (or wire mesh) and materials may be manufactured on request.



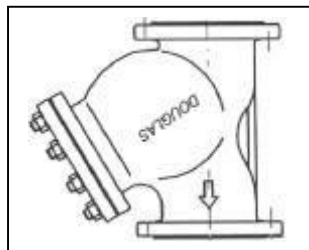
INSTALLATION



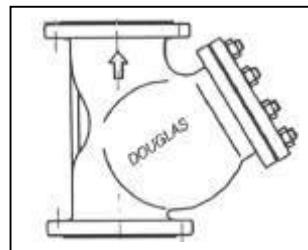
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ " Y " – strainers should never be installed in vertical pipelines in the upward flow condition (see above)

SIZES

10" – 12" – 14" – 16"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

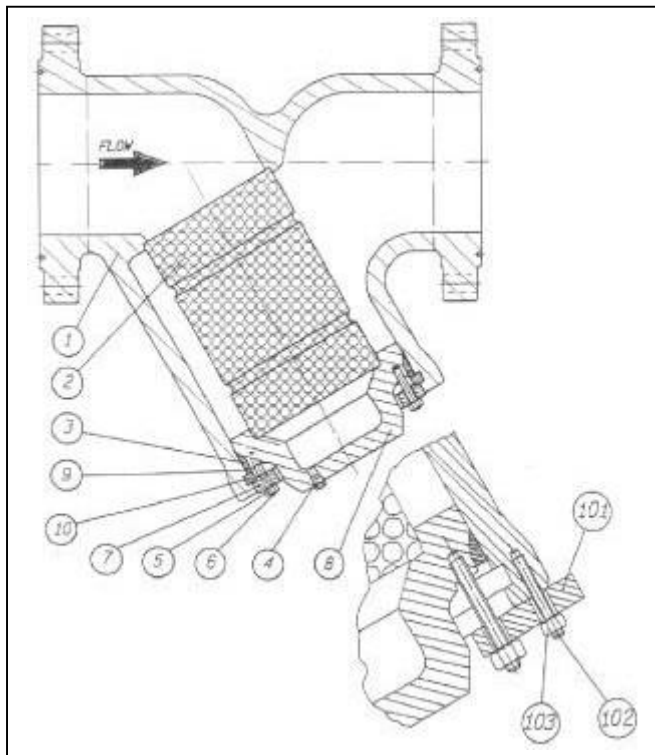
LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)

C1500 – ANSI 1500

OTHER RATINGS ON REQUEST

CAST STEEL “ Y “ TYPE PRESSURE SEAL STRAINERS C1500 WCB



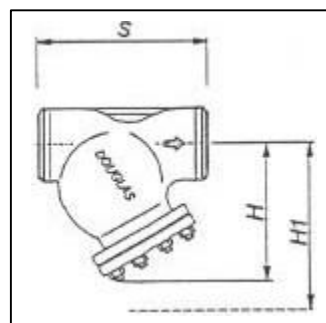
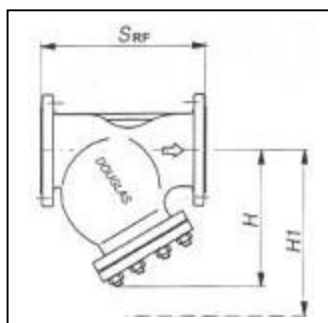
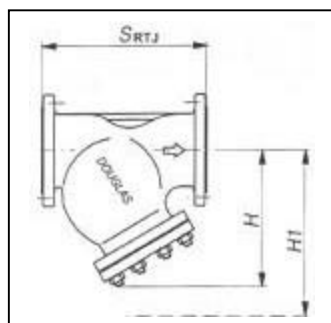
POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Gasket	S.S. 304	X
4	Drain plug	A105	
5	Nuts	ASTM A194 2H	
6	Studs	ASTM A193 B7	
7	Sleeve	ASTM A105	
8	Cover	ASTM A105	
9	Ring	ASTM A182 F6	
10	Retain ring	ASTM A182 F6	

OTHER MATERIALS ON REQUEST

Size (inches)	10"	12"	14"	16"
SRTJ	1000	1146	1276	1407
SRF	991	1130	1257	1384
S	864	991	1067	1194
H	700	800	970	1150
H1	1100	1300	1500	1700
Kg	1200	1500	2320	2750

STANDARD PERFORATIONS 1.5 mm

SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF, S, H, H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough the drain-plug on cover (4). This operation is faster if a drain valve is installed. For a complete maintenance follow the points herebelow: -1- Be sure that the main line has been shut-off.

-2- Untighten nuts (5) remove sleeve (7) and studs (6). -3- Remove retain ring (10) -4- Reinstall the studs (6) to the cover and install studs (102) into threaded holes drilled on the screen casing end. Install four shims (101) with nuts (5 and 103) as per enclosed drawing. -5- Tighten the nuts (5) driving the cover (8) against the shims (101). This will also extract the gasket (3) from its seat and then until the gasket (3) is completely extracted from its seat and the cover (8) can be withdraw from the body. -6- Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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.** -7- Carefully clean the inside of the strainer body. -8- Install the new screen or the old cleaned one (2). Be sure the center the screen in the upper seat. -9- Install the cover (8) without the studs (6) making sure the screen (2) fits correctly in the cover seat. Check that the cover (8) is fully inserted in the body to allow the installation of the retain ring (10). -10- Install a new gasket (3) and the spacer ring (9). -11- Install retaining ring (10) in their recess in the body, making sure that the holes are visible. -12- Place the sleeve (7) in contact with its seat on the body (1). -13- Slowly cross-tighten the nuts (5) taking care that the cover (8) is kept in axis with the body. This is easily checked watching the gap between the sleeve (7) hole and cover's (8) hub. -14- Slowly give pressure to the line, checking for leakages. -15- Write on the strainer body or tag the date of this maintenance operation.

How to order: i.e. C1500 WCB / 304 F 1.5 16" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

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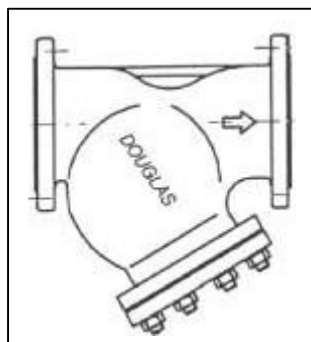
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

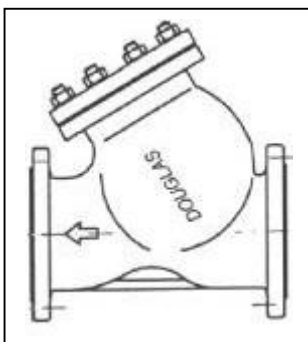
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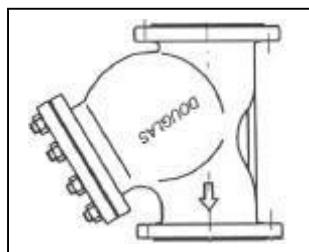
INSTALLATION



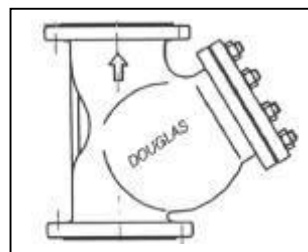
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ "Y" – strainers should never be installed in vertical pipelines in the upward flow condition (see above)

SIZES

10" – 12" – 14" – 16"

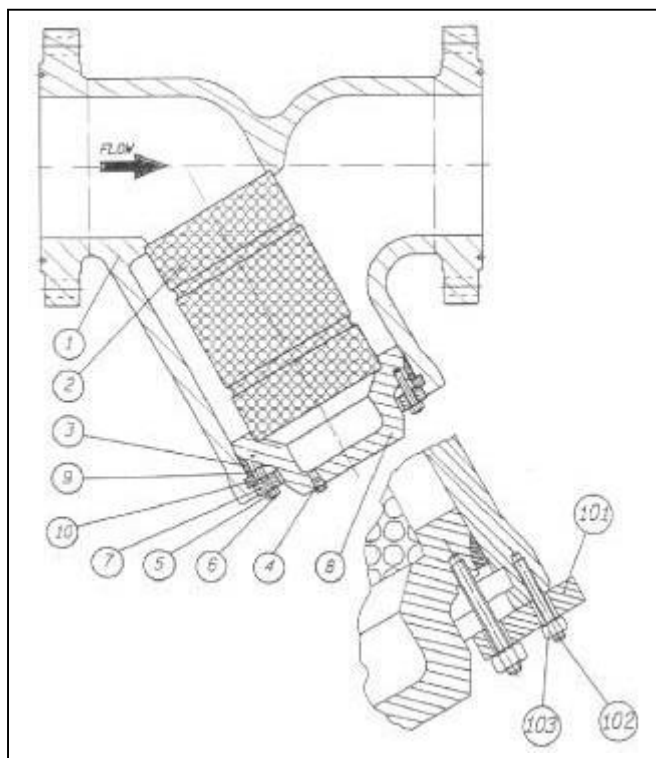
CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B 16.5

LIMITING CONDITIONS (according to ISO 6552)

According to the body rating (ANSI B16.34)
C1500 – ANSI 1500
OTHER RATINGS ON REQUEST

CAST STEEL “ Y “ TYPE PRESSURE SEAL STRAINERS C1500 CF8M



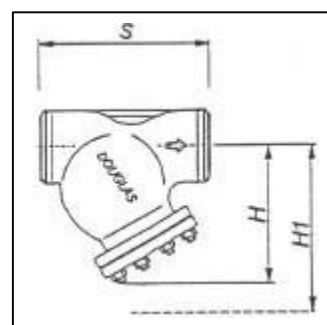
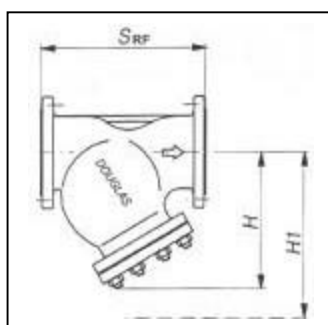
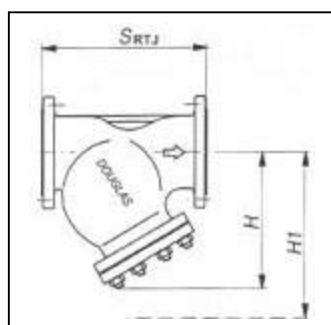
POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Screen	S.S. 316	X
3	Gasket	A182 F316	X
4	Drain plug	S.S. 316	
5	Nuts	A194 Gr.8	
6	Studs	A193 B8	
7	Sleeve	A182 F316	
8	Cover	A182 F316	
9	Ring	A182 F6	
10	Retain ring	A182 F6	

OTHER MATERIALS ON REQUEST

Size (inches)	10"	12"	14"	16"
SRTJ	1000	1146	1276	1407
SRF	991	1130	1257	1384
S	864	991	1067	1194
H	700	800	970	1150
H1	1100	1300	1500	1700
Kg	1200	1500	2320	2750

STANDARD PERFORATIONS 1.5 mm

SPECIAL PERFORATIONS ON REQUEST. DRAIN PLUG SIZE ¾"
Dimension : SRF , S , H , H1 are in millimeters (mm)



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month, is to blow-off small impurities trough the drain-plug on cover (4). This operation is faster if a drain valve is installed. For a complete maintenance follow the points herebelow: -1- Be sure that the main line has been shut-off.

-2- Untighten nuts (5) remove sleeve (7) and studs (6). -3- Remove retain ring (10) -4- Reinstall the studs (6) to the cover and install studs (102) into threaded holes drilled on the screen casing end. Install four shims (101) with nuts (5 and 103) as per enclosed drawing. -5- Tighten the nuts (5) driving the cover (8) against the shims (101). This will also extract the gasket (3) from its seat and then until the gasket (3) is completely extracted from its seat and the cover (8) can be withdraw from the body. -6- Withdraw screen (2) and carefully inspect it for damages. If any hole in the screen is found obstructed, 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.** -7- Carefully clean the inside of the strainer body. -8- Install the new screen or the old cleaned one (2). Be sure the center the screen in the upper seat. -9- Install the cover (8) without the studs (6) making sure the screen (2) fits correctly in the cover seat. Check that the cover (8) is fully inserted in the body to allow the installation of the retain ring (10). -10- Install a new gasket (3) and the spacer ring (9). -11- Install retaining ring (10) in their recess in the body, making sure that the holes are visible. -12- Place the sleeve (7) in contact with its seat on the body (1). -13- Slowly cross-tighten the nuts (5) taking care that the cover (8) is kept in axis with the body. This is easily checked watching the gap between the sleeve (7) hole and cover's (8) hub. -14- Slowly give pressure to the line, checking for leakages. -15- Write on the strainer body or tag the date of this maintenance operation.

How to order: i.e. C1500 CF8M / 316 F 1.5 16" 900 RTJ

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

TEMPORARY

FT 1

FT 2

FT 3

GO BACK

STRAINERS

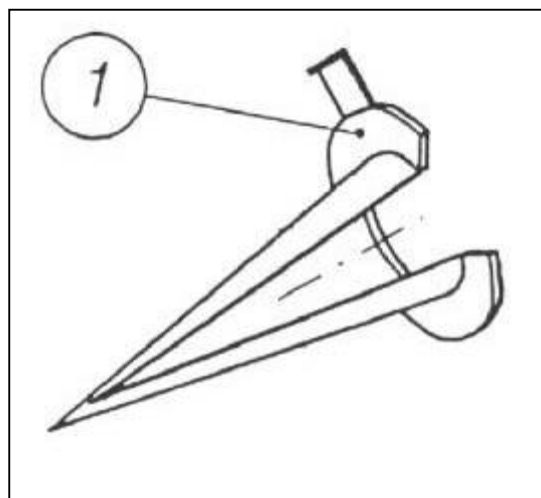
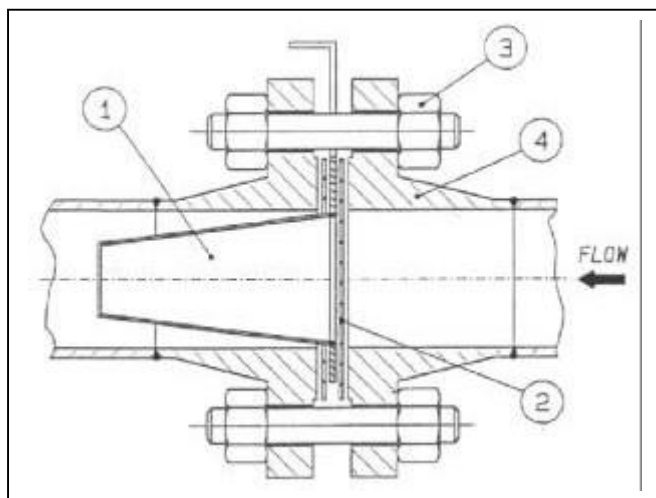
Conical type temporary strainers are designed for the efficient removal of solids in new pipeline start up service.

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. Strainers may be manufactured to any customer's standard.

Strainers are designed to be installed between ANSI B16.5 flanges and meet FF, RF and RTJ facings.



ASSEMBLY INSTRUCTION

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

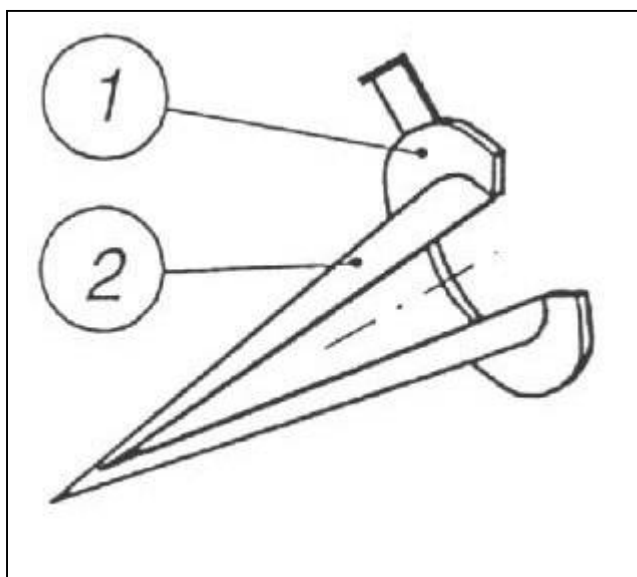
MAINTENANCE INSTRUCTIONS

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

SIZES

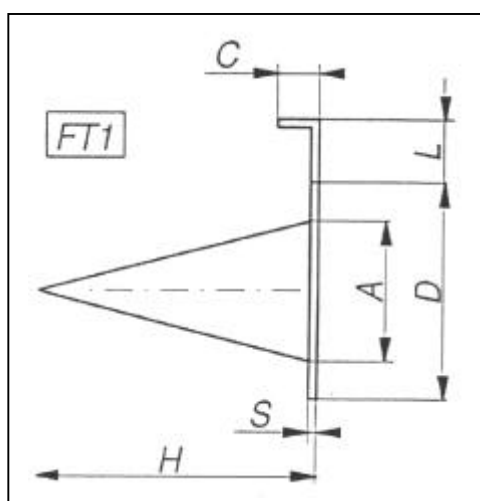
1½" - 2" - 3" - 4" - 6" - 8" - 10" - 12" - 14" - 16" - 18" - 20" - 24"

CONICAL TYPE TEMPORARY STRAINERS DOUGLAS FT1



POS.	DESCRIPTION	MATERIALS	SPARES
1	Ring	CARBON STEEL	
2	Perforated plate	ASTM A240 304	
OTHER MATERIALS AND DIMENSIONS 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	381	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
Dimensions : 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

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

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STRAINERS

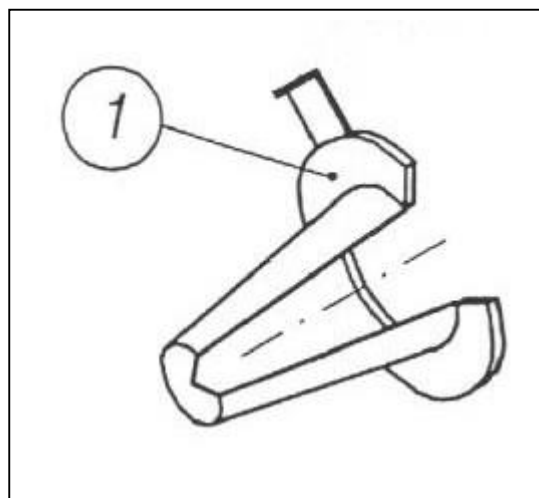
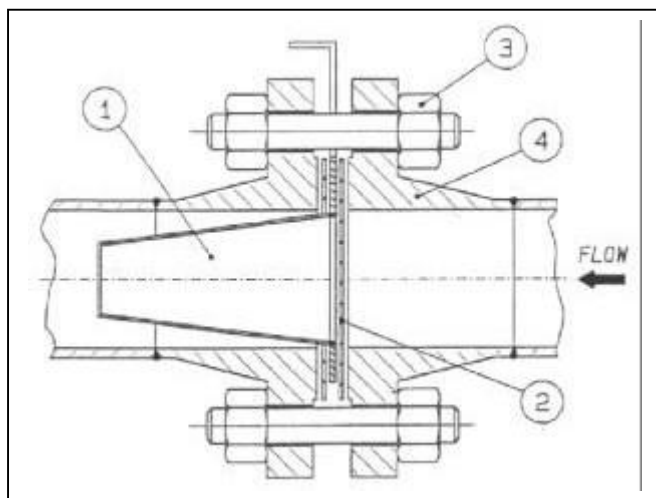
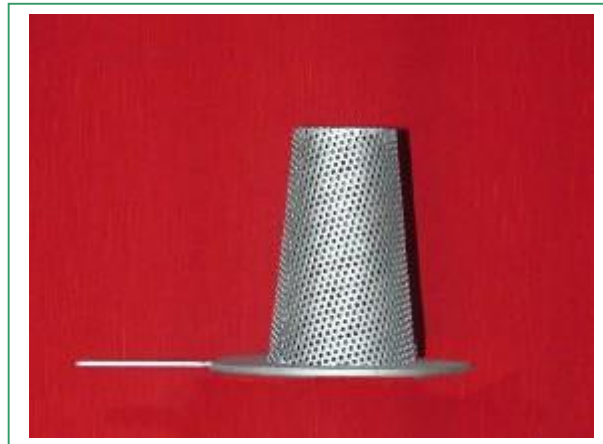
Conical type temporary strainers are designed for the efficient removal of solids in new pipeline start up service.

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. Strainers may be manufactured to any customer's standard.

Strainers are designed to be installed between ANSI B16.5 flanges and meet FF, RF and RTJ facings.



ASSEMBLY INSTRUCTION

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

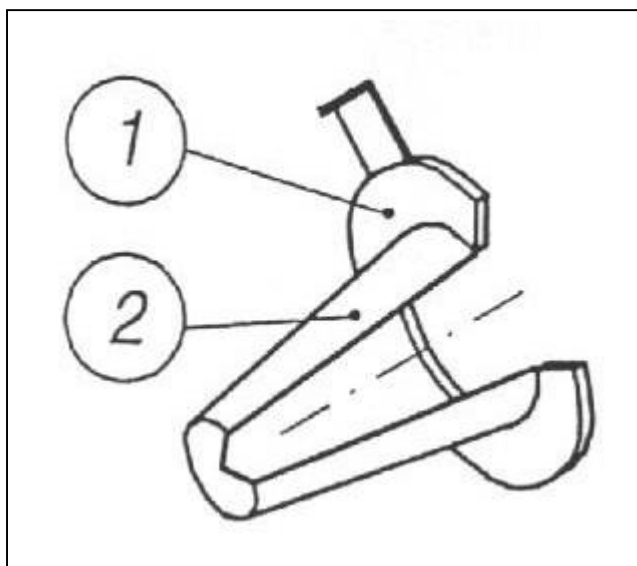
MAINTENANCE INSTRUCTIONS

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

SIZES

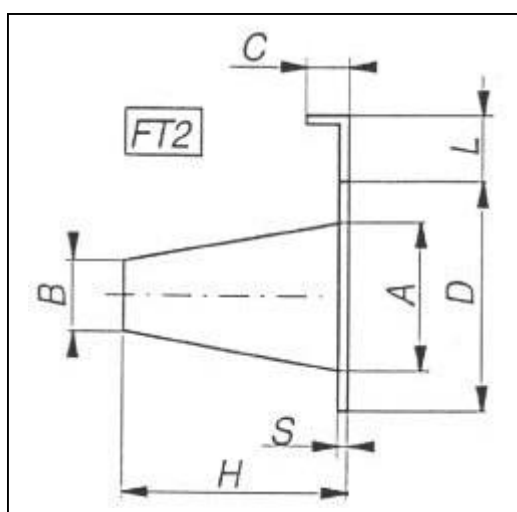
1½" - 2" - 3" - 4" - 6" - 8" - 10" - 12" - 14" - 16" - 18" - 20" - 24"

CONICAL TYPE TEMPORARY STRAINERS DOUGLAS FT2



POS.	DESCRIPTION	MATERIALS	SPARES
1	Ring	CARBON STEEL	
2	Perforated plate	ASTM A240 304	
OTHER MATERIALS AND DIMENSIONS 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	381	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
Dimensions : 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

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

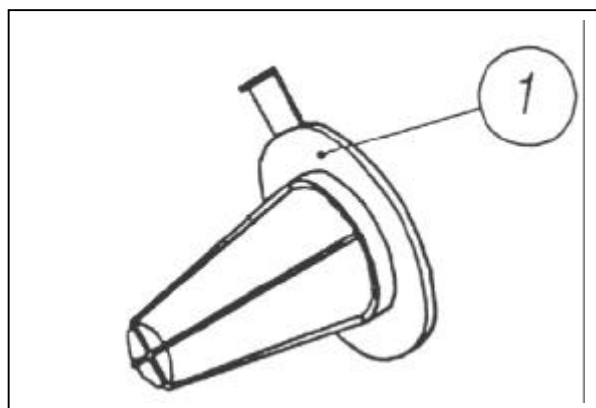
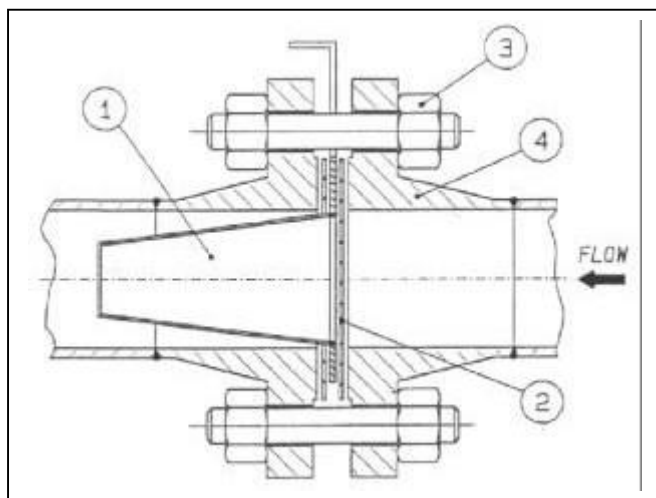
Conical type temporary strainers are designed for the efficient removal of solids in new pipeline start up service.

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. Strainers may be manufactured to any customer's standard.

Strainers are designed to be installed between ANSI B16.5 flanges and meet FF, RF and RTJ facings.



ASSEMBLY INSTRUCTION

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

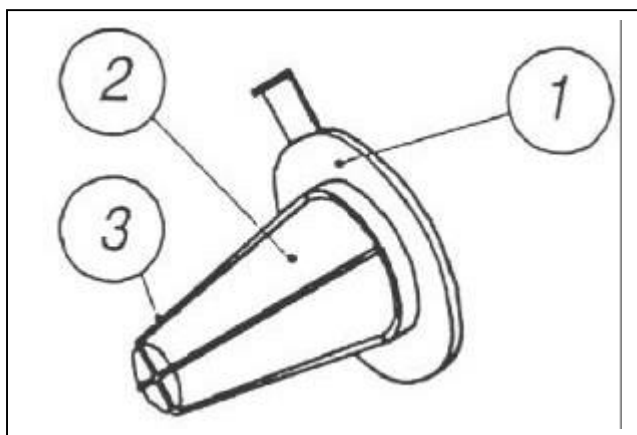
MAINTENANCE INSTRUCTIONS

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

SIZES

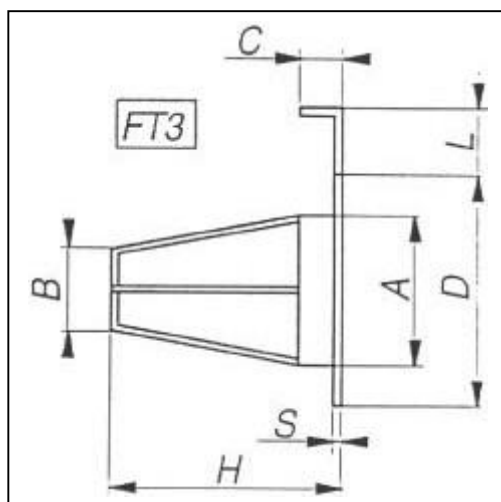
1½" - 2" - 3" - 4" - 6" - 8" - 10" - 12" - 14" - 16" - 18" - 20" - 24"

CONICAL TYPE TEMPORARY STRAINERS DOUGLAS FT3



POS.	DESCRIPTION	MATERIALS	SPARES
1	Ring	CARBON STEEL	
2	Wire mesh	S.S. 304	
3	Rods	S.S. 304	
OTHER MATERIALS AND DIMENSIONS 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	381	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
Dimensions : 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

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

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TEE

FS 150

FS 300

FS 600

FS 900

GO BACK

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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

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

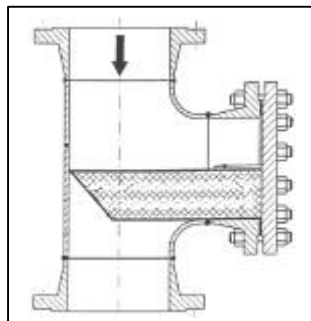
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

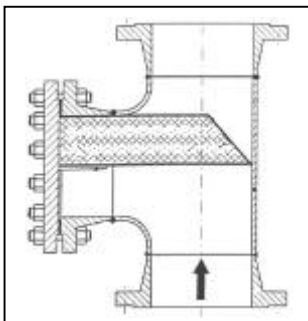
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



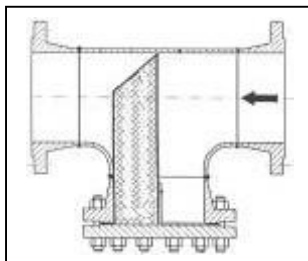
INSTALLATION



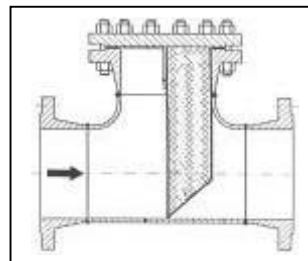
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ T – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

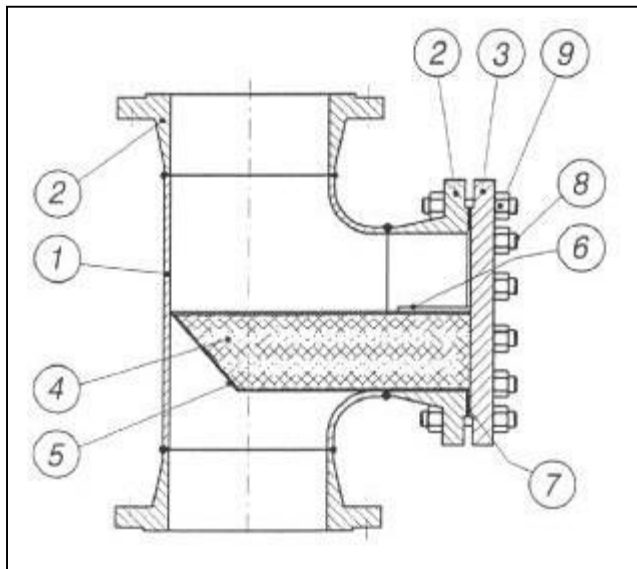
SIZES

2"–3"–4"–6"–8"–10"–12"–16"–18"–20"–24"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B16.5

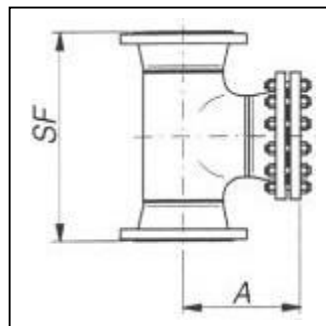
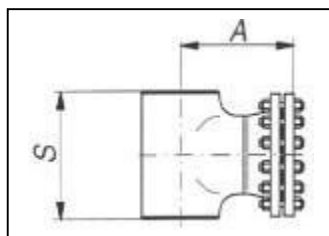
TEE TYPE STRAINERS DOUGLAS FS150



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A234 WPB	
2	Flange	ASTM A105	
3	Blind flange	ASTM A105	
4	Basket	S.S. 304	X
5	Frame	S.S. 304	
6	Guide rods	CARBON STEEL	
7	Gasket	CAF	X
8	Bolts	ASTM A193 B7	
9	Nuts	ASTM A194 2H	
OTHER MATERIALS AND DIMENSIONS ON REQUEST			

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	254	312	363	464	560	636	737	864	966	1052	1169
A	148	182	208	260	311	351	403	472	525	571	635

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



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month. For a complete maintenance follow the points herebelow: **-1-** Be sure that the main line has been shut-off. **-2-** Untighten cover stud bolts (8) and nuts (9) and remove cover [blind flange] (3) and gasket (7). **-3-** Withdraw basket (4) and carefully inspect it for damages. If any hole in the screen is found obstructed, clean it with compressed air and / or any suitable tool. If the basket 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 (7). **-6-** Install the new screen or the cleaned one (4). **-7-** Put in place cover (3). **-8-** Slowly give pressure to the line, checking for leakages. **-9-** Write on the strainer body the date of this maintenance operation.

How to order: i.e. FS150 WPB – A105 / 304 – 3 MESH – 150 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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

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

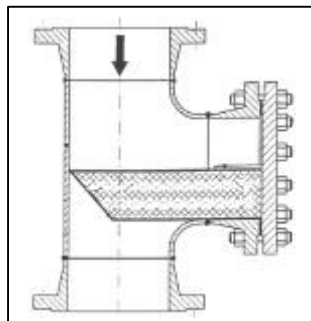
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

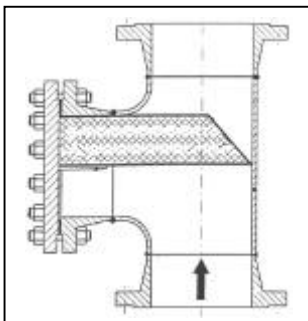
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



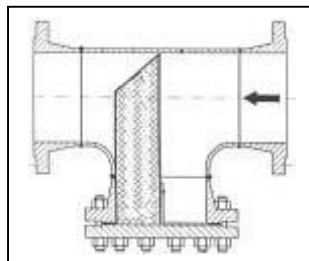
INSTALLATION



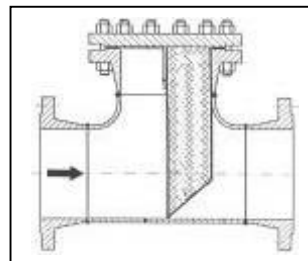
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ T – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

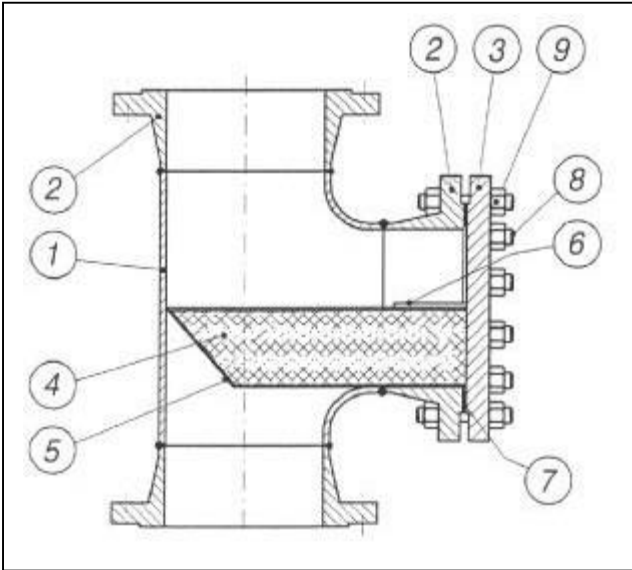
SIZES

2"–3"–4"–6"–8"–10"–12"–16"–18"–20"–24"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B16.5

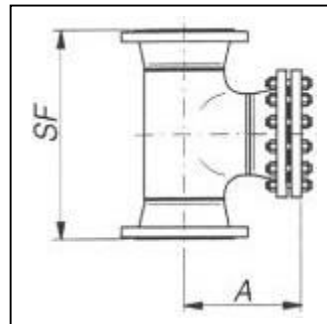
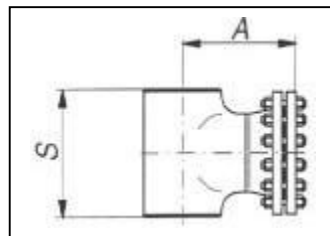
TEE TYPE STRAINERS DOUGLAS FS300



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A234 WPB	
2	Flange	ASTM A105	
3	Blind flange	ASTM A105	
4	Basket	S.S. 304	X
5	Frame	S.S. 304	
6	Guide rods	CARBON STEEL	
7	Gasket	CAF	X
8	Bolts	ASTM A193 B7	
9	Nuts	ASTM A194 2H	
OTHER MATERIALS AND DIMENSIONS ON REQUEST			

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
A	158	197	225	281	333	385	438	511	565	609	673

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



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a mounth. For a complete maintenance follow the points herebelow: **-1-** Be sure that the main line has been shut-off. **-2-** Untighten cover stud bolts (8) and nuts (9) and remove cover [blind flange] (3) and gasket (7). **-3-** Withdraw basket (4) an carefully inspect it for damages. If any hole in the screen is found abstructed, clean it with compressed air and / or any suitable tool. If the basket 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 (7). **-6-** Install the new screen or the cleaned one (4). **-7-** Put in place cover (3). **-8-** Slowly give pressure to the line, checking for leakages. **-9-** Write on the strainer body the date of this maintenance operation.

How to order: i.e. FS300 WPB – A105 / 304 – 3 MESH – 300 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com

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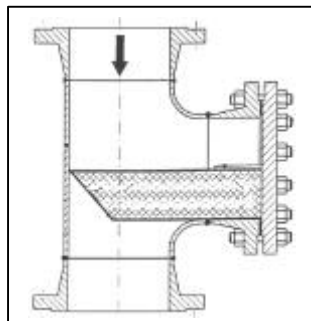
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

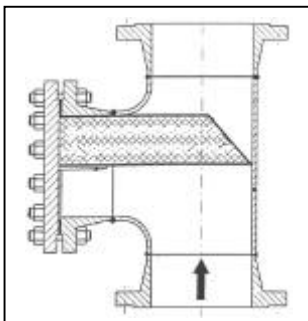
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



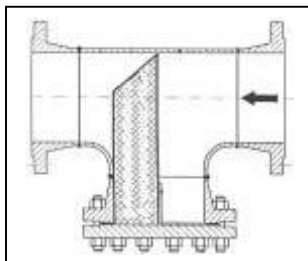
INSTALLATION



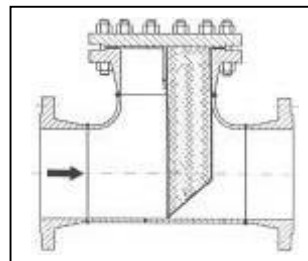
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ T – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

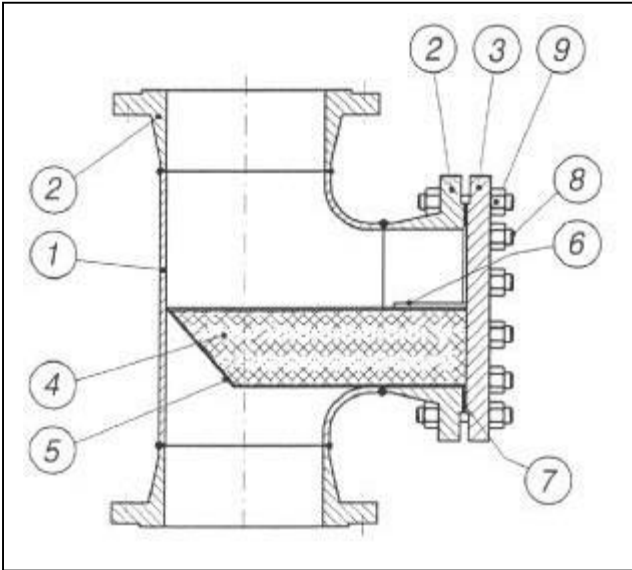
SIZES

2"–3"–4"–6"–8"–10"–12"–16"–18"–20"–24"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B16.5

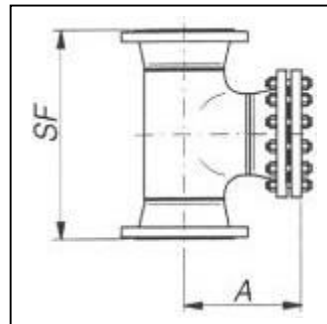
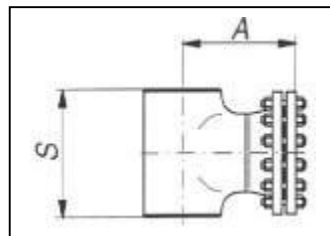
TEE TYPE STRAINERS DOUGLAS FS600



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A234 WPB	
2	Flange	ASTM A105	
3	Blind flange	ASTM A105	
4	Basket	S.S. 304	X
5	Frame	S.S. 304	
6	Guide rods	CARBON STEEL	
7	Gasket	CAF	X
8	Bolts	ASTM A193 B7	
9	Nuts	ASTM A194 2H	
OTHER MATERIALS AND DIMENSIONS ON REQUEST			

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
A	177	216	260	324	382	447	492	574	624	676	753

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



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a month. For a complete maintenance follow the points herebelow: **-1-** Be sure that the main line has been shut-off. **-2-** Untighten cover stud bolts (8) and nuts (9) and remove cover [blind flange] (3) and gasket (7). **-3-** Withdraw basket (4) and carefully inspect it for damages. If any hole in the screen is found obstructed, clean it with compressed air and / or any suitable tool. If the basket 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 (7). **-6-** Install the new screen or the cleaned one (4). **-7-** Put in place cover (3). **-8-** Slowly give pressure to the line, checking for leakages. **-9-** Write on the strainer body the date of this maintenance operation.

How to order: i.e. FS600 WPB – A105 / 304 – 3 MESH – 600 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

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STRAINERS

Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

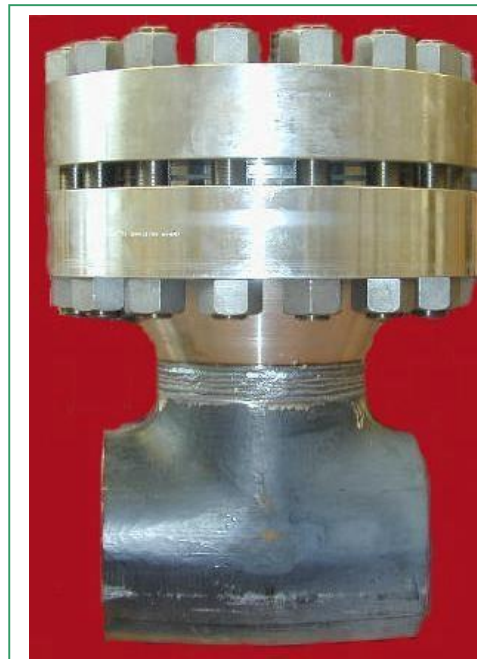
Standard stainers are equipped with screens for the average service of most mediums (steam, gas, air, oil, chemicals , ect.).

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

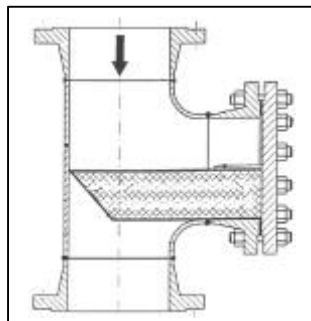
Filtering area to inlet area ratio is larger than 3 to 1 .

Screens area manufactured with perforated plate in the materials and with the perforation specified in the relevant tables .

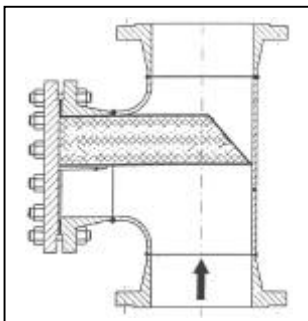
Screens with different peforation (or wire mesh) and materials may be manufactured on request.



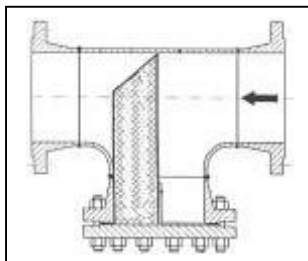
INSTALLATION



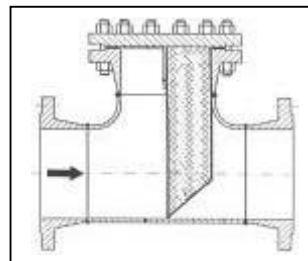
1 CORRECT



2 INCORRECT



3 CORRECT



4 INCORRECT

- ☐ All strainers should be mounted as close as possible to the valve or machinery which they are being installed to protect. It is important to ensure that the strainer installed with the flow following the same direction as the flow direction arrow cast onto the strainer body.
- ☐ For mounting in horizontal or inclined pipelines, ensure that the screen housing is always mounted below the pipeline.
- ☐ T – strainers should never be installed in vertical pipelines in the upward flow condition. (see above)

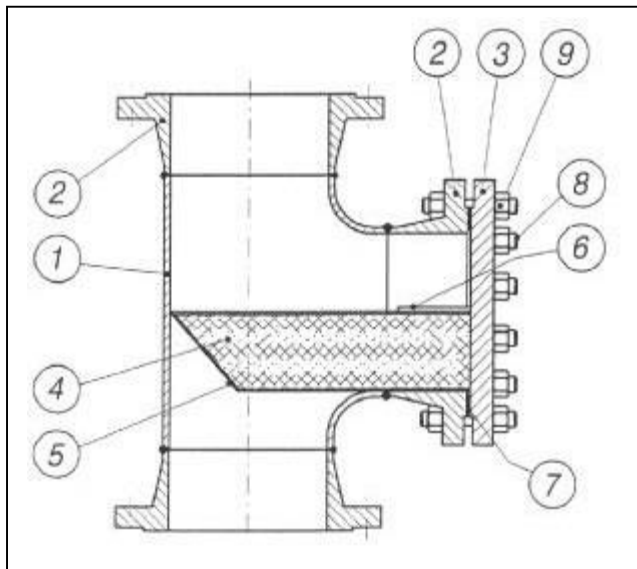
SIZES

2"–3"–4"–6"–8"–10"–12"–16"–18"–20"–24"

CONNECTIONS

Buttweld	ANSI B16.25
Flanged	ANSI B16.5

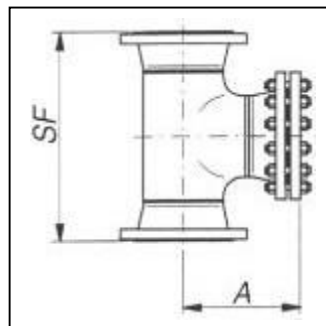
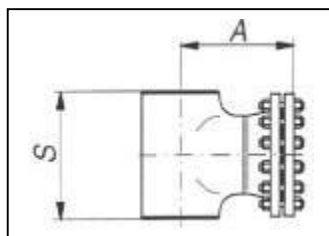
TEE TYPE STRAINERS DOUGLAS FS900



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A234 WPB	
2	Flange	ASTM A105	
3	Blind flange	ASTM A105	
4	Basket	S.S. 304	X
5	Frame	S.S. 304	
6	Guide rods	CARBON STEEL	
7	Gasket	CAF	X
8	Bolts	ASTM A193 B7	
9	Nuts	ASTM A194 2H	
OTHER MATERIALS AND DIMENSIONS ON REQUEST			

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
A	219	242	279	353	419	485	549	626	689	752	879

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



HOW TO SERVICE

Strainer maintenance should be made at least once year, or whenever the pressure drop is found to be in excess of the normal figures. A quick clean-up system, to made approximately once a mounth. For a complete maintenance follow the points herebelow: **-1-** Be sure that the main line has been shut-off. **-2-** Untighten cover stud bolts (8) and nuts (9) and remove cover [blind flange] (3) and gasket (7). **-3-** Withdraw basket (4) an carefully inspect it for damages. If any hole in the screen is found abstrusted, clean it with compressed air and / or any suitable tool. If the basket 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 (7). **-6-** Install the new screen or the cleaned one (4). **-7-** Put in place cover (3). **-8-** Slowly give pressure to the line, checking for leakages. **-9-** Write on the strainer body the date of this maintenance operation.

How to order: i.e. FS900 WPB – A105 / 304 – 3 MESH – 900 RF

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SIMPLEX

MO 150

MO 300

GO BACK

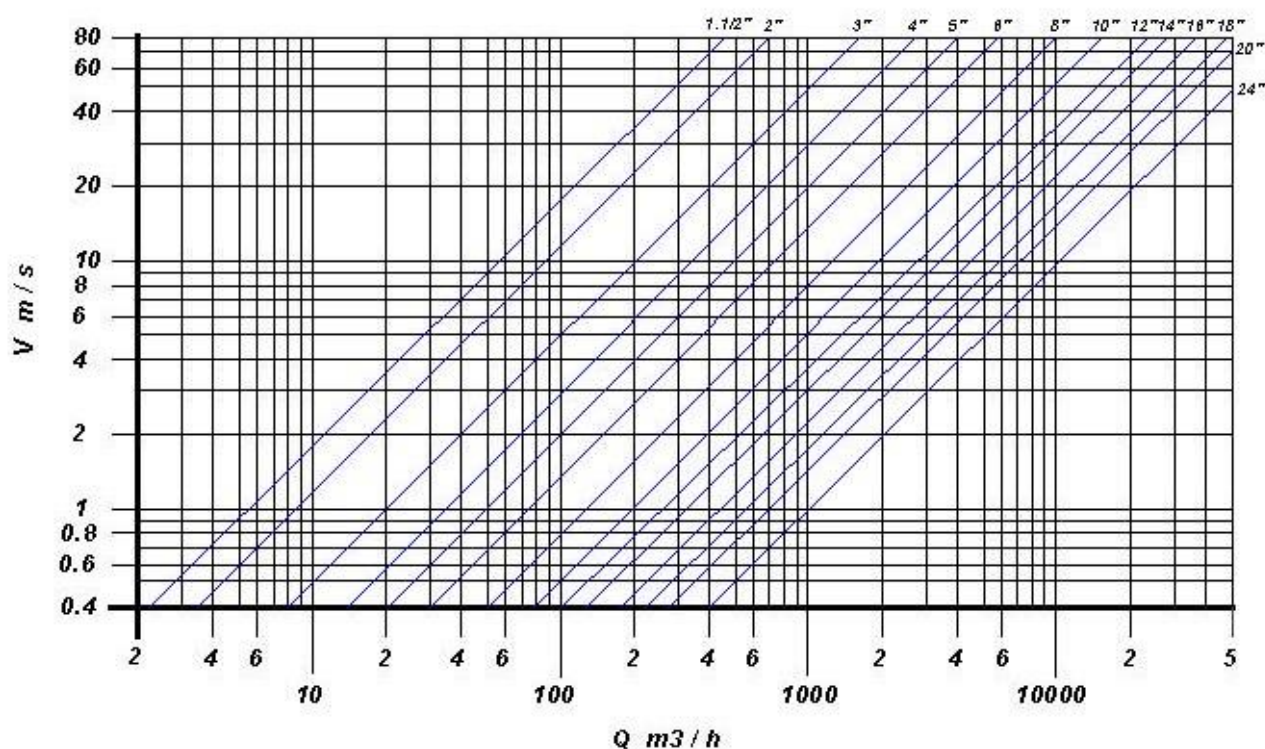
SIMPLEX STRAINERS

Douglas Italia fabricated Simplex (basket) strainers have been specifically designed to meet all customer requirements including for high pressure applications.

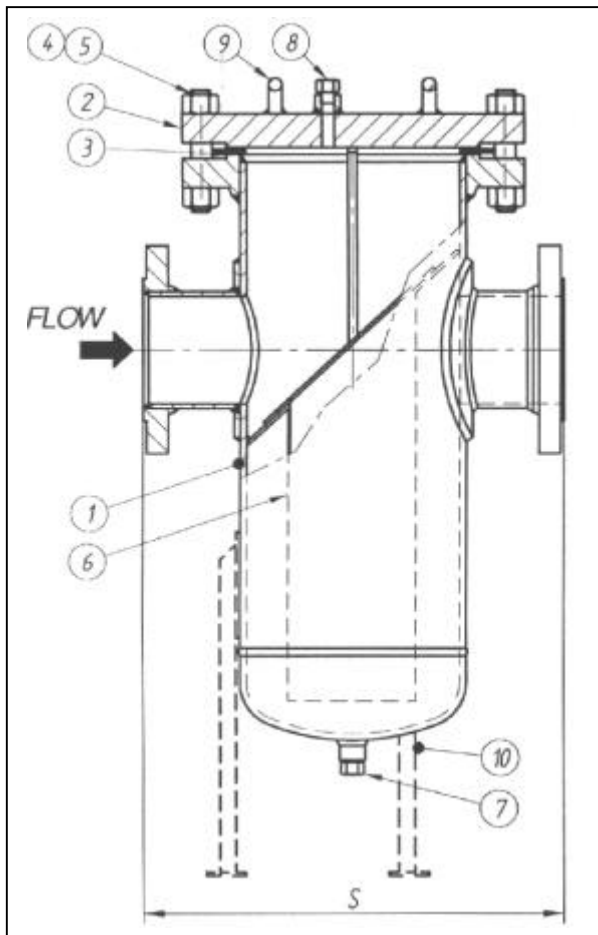
Designed and fabricated to ASME VIII Div.1 as standard but can also be supplied to other pressure vessel codes. I.e. ASME B31.3 etc.

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.

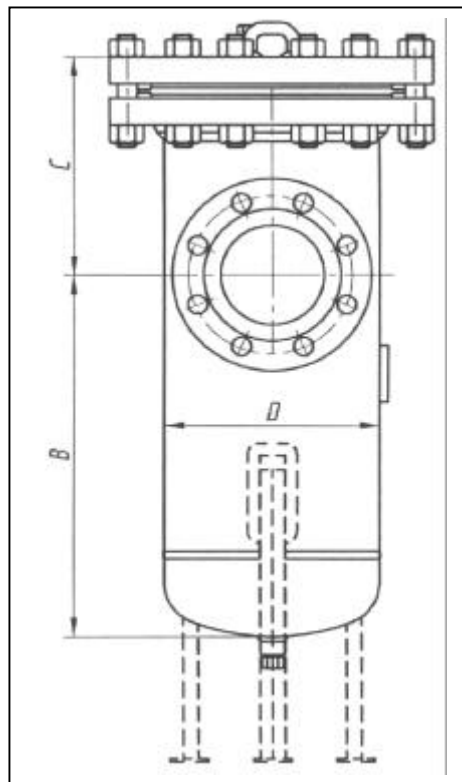
We are also able to manufacture against customer requests in all types of materials.



SIMPLEX FILTERS MO 150



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	
6	Screen	Stainless steel	
	Perf. Plate	Stainless steel	
	Mesh	Stainless steel	
7	Drain	ASTM A105	Screwed ¾" NPT
8	Vent	ASTM A105	Screwed ¾" NPT
9	Lifting eyes	CARBON STEEL	For cover only
10	Legs	CARBON STEEL	



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	813	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

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Douglas Italia reserves the right to carry-out any necessary modification without prior notice

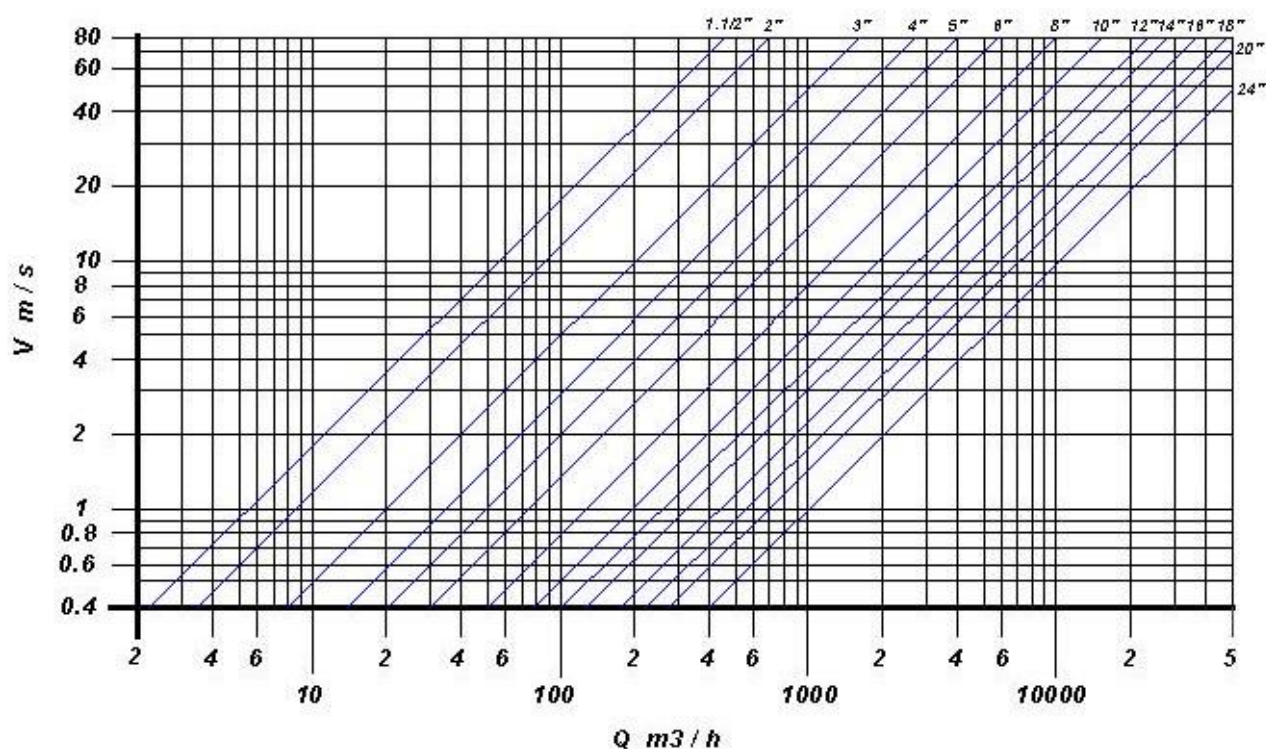
SIMPLEX STRAINERS

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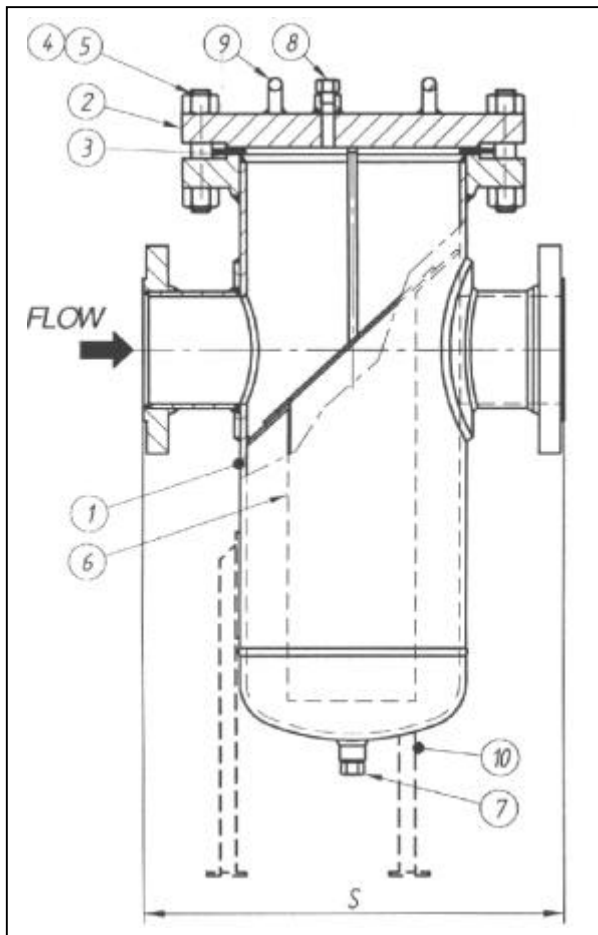
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Standard features include low pressure drops at high velocities, stainless steel perforated baskets as standard, vents and drains with the possibility to supply davit lifts, quick open closures, DP gauges.

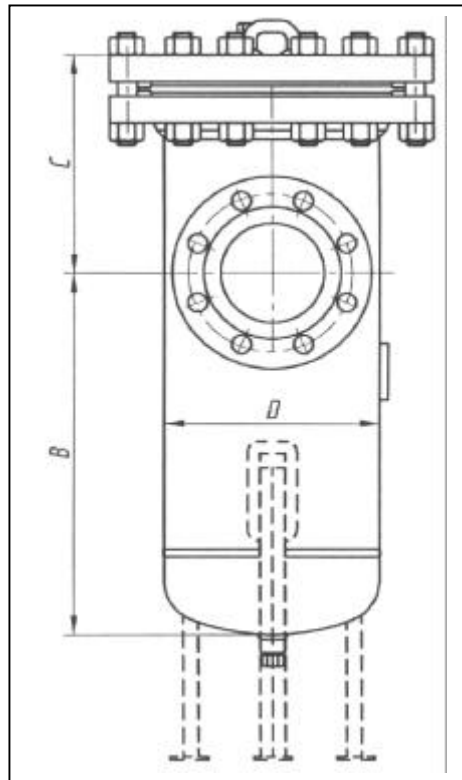
We are also able to manufacture against customer requests in all types of materials



SIMPLEX FILTERS MO 300



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	
6	Screen	Stainless steel	
	Perf. Plate	Stainless steel	
	Mesh	Stainless steel	
7	Drain	ASTM A105	Screwed ¾" NPT
8	Vent	ASTM A105	Screwed ¾" NPT
9	Lifting eyes	CARBON STEEL	For cover only
10	Legs	CARBON STEEL	



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

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