

**STRAINERS**

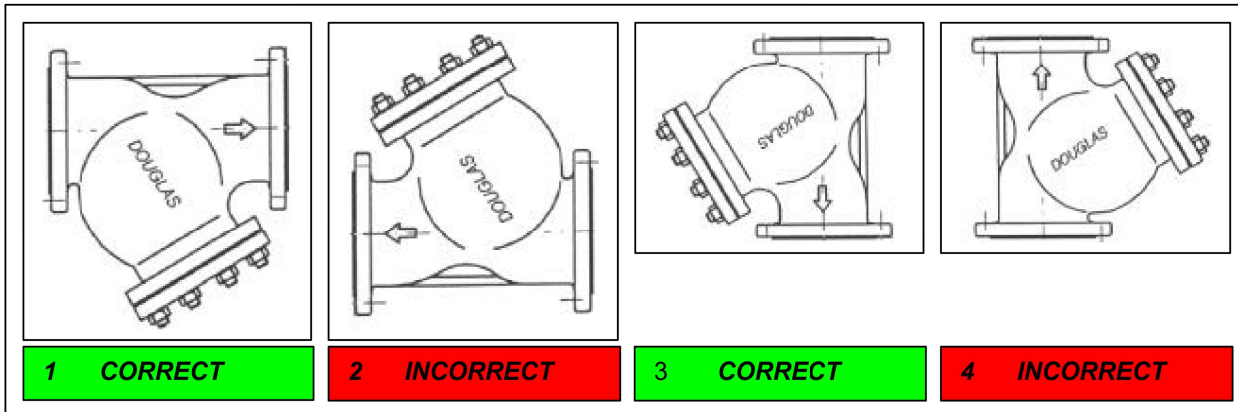
Designed to ANSI B16.34 the strainer bodies are produced with a superior wallthickness for corrosion allowance.

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 are 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**


- 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"

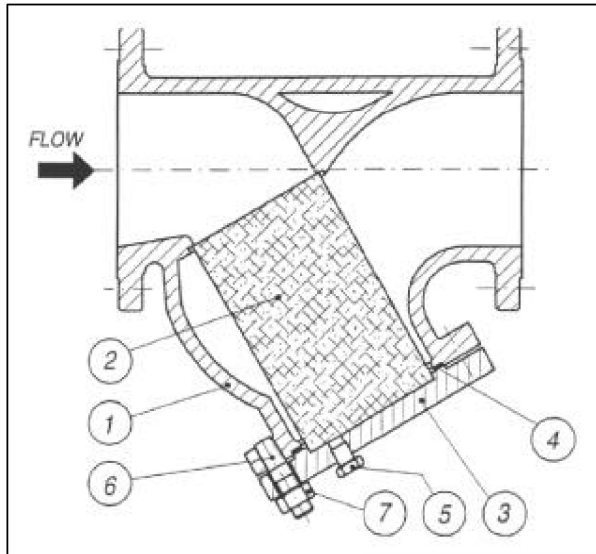
**CONNECTIONS**

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 WCB

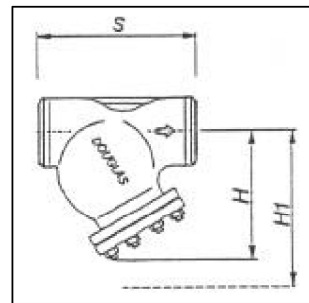
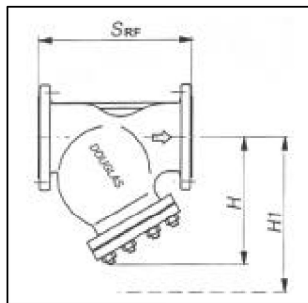


POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Screen	S.S. 304	X
3	Cover	ASTM A105	
4	Gasket	316 / GRAPHITE	X
5	Drain plug	ASTM A105	
6	Studs	ASTM A193 B7	
7	Nuts	ASTM A194 2H	

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 3/4"  
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 raccomanded 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) an 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.** C150 WCB / 304 F 1.5 2" 150 RF

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OFFICIAL WEB SITE: [www.douglas-italia.com](http://www.douglas-italia.com)