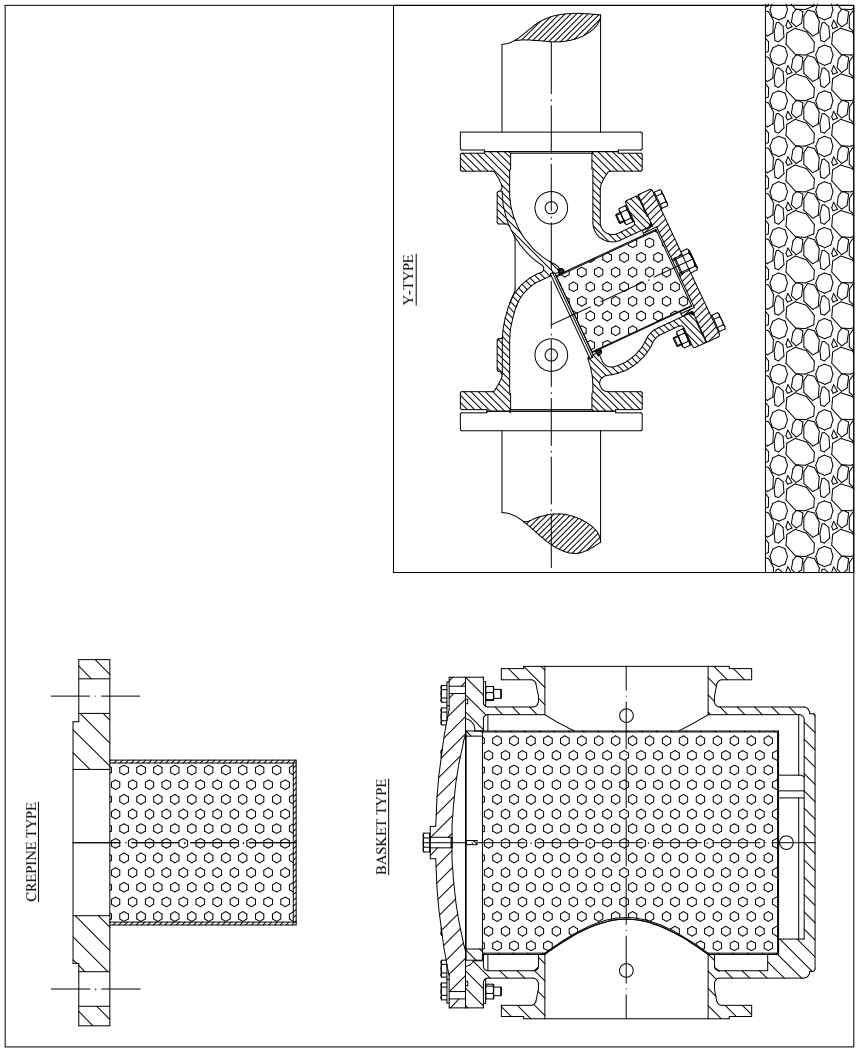
Size: DN40 – DN 1000
Pressure Rating: PN10 – PN 40



STRAINERS OPERATIONS MANUAL

DESCRIPTION

DVD Strainers are used to collect the residuals inside the pipelines. Strainers are generally used in the upstream side of pumps, water meters, control valves or any crucial device. The manometer connections located on the body are used to measure the differential pressure across to body to understand the time of cleaning. If the differential pressure is too high, drain plug can be used to flush the filter. With the special design, DVD Strainers have high dirt capacity and low pressure loss, which are easy to clean.

STORAGE

- Strainers should be stored in a place where they will not be subjected to sunlight. They should be kept on wooden pallets, avoiding any direct contact of the valves with the ground.
- Strainers should be protected from any external effects and mechanical damages in the storage place.

INSTALLATION

- Allow enough space around the valve assembly for future maintenance/disassembly work.
- Ensure that a valve of correct size, specification and clean out rating is being used.
- The flanges which the valve will be assembled should be in the same axis and the flange surfaces should be parallel to each other. Problems with sealing can be seen in case this is not obtained.
- The valve should be assembled by using the flange holes. It is very dangerous for the workers to lift the valve from any other place. Moreover, if the valve is lifted from any other direction, the valve can be damaged.
- The flanges should be connected only with the nuts and bolts that are specified. Otherwise, sealing problems can be seen.
- In Y Type Strainers, the valve should be installed so that the top flange will face downwards, for the residuals to be collected at the bottom. In order for the top flange to dismantled easily, strainer should be installed at a height of 2*H (distance between the strainer top point to the flange axis).
- Before commissioning the pipeline, make sure there are no foreign particles in the pipeline. These particles can clog the filter if not flushed.
- Before commissioning the pipeline, check whether the strainer is damaged during assembly.
- Check the flow direction arrow on the body and install the strainer accordingly.

Our company guarantees supplying spare parts and after sales service for 10 years for the related items.
Please consult our factory for supplying spare parts.
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Tel: 0090 232 376 85 80 Fax: 0090 232 376 85 82 infodogus@dogusvana.com.tr www.dogusvana.com.tr

OPERATION

- The operating pressure of the strainer is specified on the body. The system pressure should not exceed the specified operating pressure.
- Filter of the strainer can clog periodically. Filter should be checked and cleaned on periodical basis. Filter can be flushed by opening the drain plug on the top flange. Pressurized water flushes the residuals when the plug is opened. If the plug is not sufficient to clean the filter, top flange can be dismantled for further cleaning.

MAINTANANCE

- Strainers are designed to have minimum maintenance.
- Filter inside the strainer should be cleaned periodically. Time of cleaning can be understood by measuring the differential pressure across the strainer.

DISMANTLING

- Both downstream and upstream sides of the strainer that is going to be dismantled should be discharged.
- Strainer should be secured to a crane or lifting equipment that is capable of lifting the strainer. Strainer should be connected to the crane from the lifting eye or from the flange holes. Lifting the strainer from another direction is extremely dangerous for the workers and may damage the strainer beyond repair.
- All flange bolts and nuts must be removed.
- Strainer should be lifted with the help of the crane and stored according to storage instructions.

OPTIONS

Valve Body: Y Type – Basket Type – Crepine Type

TROUBLESHOOTING

PROBLEM	REASON	SOLUTION
Strainer is causing differential pressure to rise	Filter inside the strainer is clogged	Use the drain plug to clean the filter Dismantle the top flange and clean the filter by taking it out

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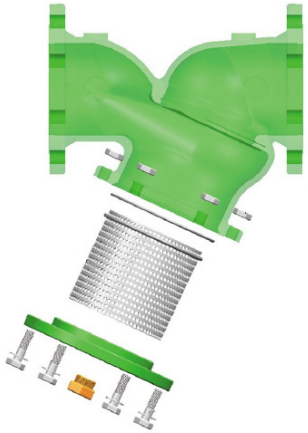
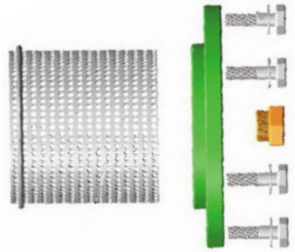
STRAINERS OPERATIONS MANUAL



Y Type Strainer



Crepine Type Strainer

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