

XF SERIES MULTI-CARTRIDGE SELF-CLEANING FILTER



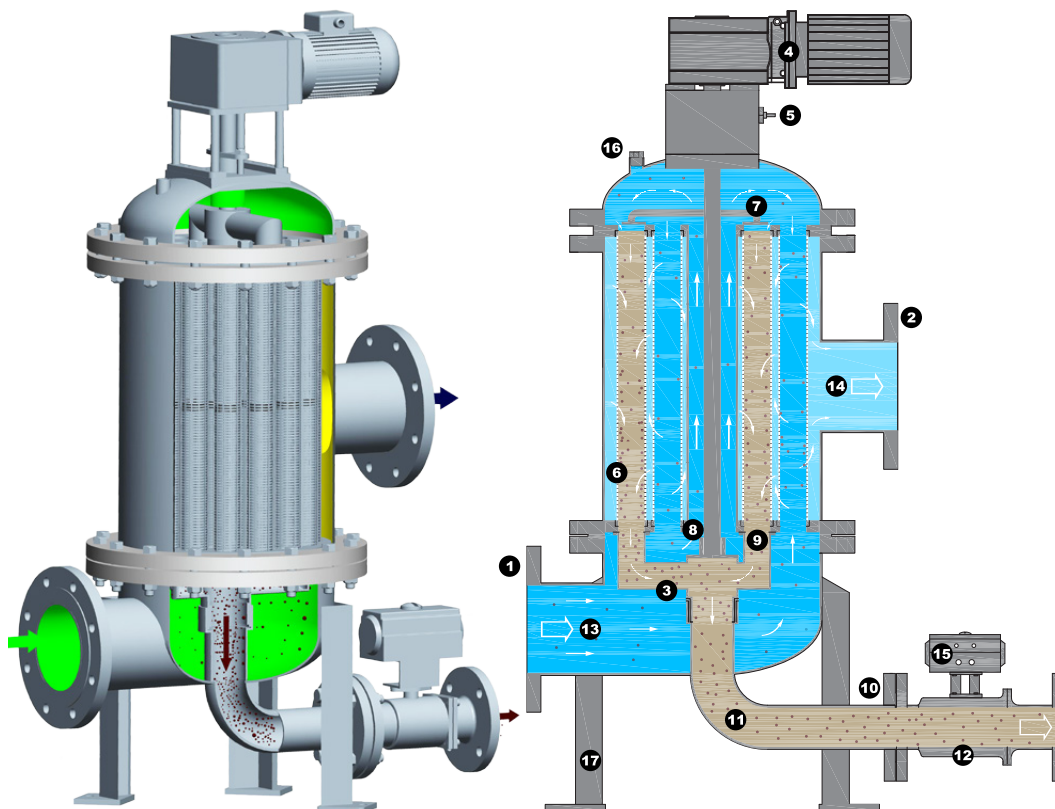
XF Series Multi-cartridge Self-cleaning Filter (XF Filter for short), a new generation self-cleaning filtration system independently designed by LIVIC, is integrated with a number of slotted filter elements. When the filter elements are clogged, a specially designed back-flushing arm will clean the elements one by one. As the high-end self-cleaning filter, it is especially designed for customers who take good quality and high reliability into consideration firstly. The XF filter consists of world-class top quality crucial parts, such as filter element, gear motor, control system, etc..

Compared with ordinary mesh type self-cleaning filter, XF Filter has unparalleled advantages. It has rigid and durable V-SLOT filter element, highly uniform slot width, large filter area in single filter, super high flowrate up to 8000m³/h in single filter, fine filtration at low surface flow velocity, high reliability. It applies to the filtration of dirty water containing oil sludge type impurities, soft and viscous impurities, high content impurities, small amount of hairs and fibers.

XF Filter's filtration rating ranges from 50-2000 micron and its line size is available from 2" to 24". XF Filter has 3 sub-series: XFS series, as the large filter area filter, applies to high flowrate filtration or high precision filtration; XFM series, as the small filter area filter, applies to low flowrate filtration or rough grade filtration; XFT series are specially designed for super high flowrate at rough ratings. See the figure on page 3 to select the right series.

XF Filter can remove the solid particles from various water resource and low viscosity liquid (e.g. machining coolant). It makes the fluid meet cleanliness requirement and protects downstream key equipments from clogging, abasing and fouling. It increases the key equipment running efficiency and service life. XF Filter automatically works continuously on-line and reduces the downtime cost, maintenance cost and labor cost. XF Filter is the advanced solution for the self-cleaning filtration of water and low viscous liquids.

FILTER STRUCTURE AND MAIN PARTS



MAIN PARTS

1	Inlet
2	Outlet
3	Cleaning Arm
4	Gear Motor
5	positioner
6	Filter Element
7	Cover Plate
8	Distribution Pipe
9	Cleaning Nozzle
10	Discharging Nozzle
11	Discharging Pipe
12	Cleaning Valve
13	Unfiltered Liquid
14	Filtrate
15	Actuator
16	Vent
17	Support Leg