

Plastic Filter

Series Semi-Automatic-Filter



Data-Sheet

DN 50 (2") – DN 80 (3")

Stand 02.2018



General

The Semi-Automatic assemblies provide a quick and efficient way for cleaning manual filters. The Scanaway and Brushaway are add-on assemblies built for upgrading plastic filters to semiautomatic operation by adding simple turn-of-a-handle cleaning mechanism to the filter's screen. Upgrading a manual filter to semi-automatic operation eliminates the need for turning off the water and extracting the filter screen for rinsing, with the semi-automatic assembly the process flow is not interrupted during operation. The semi-automatic assemblies are fitted with a Clogging Indicator for visually monitoring the status of the filter element without disrupting the water flow. A red button pops up from the indicator when the differential pressure across the screen reaches 0.5 bar (7 psi).

How the "Scanaway" Assembly Works

The Scanaway assembly consists of a suction-scanner, a hollow pipe with suction nozzles, that is facing the inner side of the screen. Outside the filter a handle is connected to the suction-scanner, allowing the turning of the scanner in a spiral movement so it rotates inside the screen surface without touching the screen mesh.

Opening the exhaust valve at the filter lid creates low pressure conditions in the suction scanner, which cause the scanner nozzles to suck in the dirt particles from the screen surface and expel the dislodged particles out through the exhaust valve. Scanning is done during the filtration process without having to stop the flow of process water through the filter.

How the "Brushaway" Assembly Works

The Brushaway assembly consists of nylon brushes fitted on a frame and inserted into the filter screen. A simple handle, outside the filter, allows brushing away particles from the inner screen surface and expel them out from the filter through the exhaust valve. Brushing is done during the filtering process without having to stop the flow of process water through the filter.

How the "Clogging Indicator" Works

The Clogging Indicator is a special feature mounted on the filter pressure check points and acts like a "traffic light". When the pressure differential across the screen reaches a pre-set value of 0.5 bar (7 psi), the red button of the Clogging Indicator pops up to visually indicate that the filter needs cleaning.



General safety instructions



- To prevent accidents, the installation, connection and commissioning may only be carried out by authorized and qualified personnel.



Note:

- The flush volume is added to the flow volume.
- When installed in open air, the filter must be protected from frost.

Product-details

	Scanaway	Brushaway
Supported filters	For Plastic-Filter Type PL050, PL050S, PL080, PL080FL	
Max. Flow	25 – 50 m ³ /h	
Screen area	465 – 700 cm ²	
Screen types	Stainless steel, Molded Screen	
Filtration degree	50, 80, 100, 130, 200, 300, 500	200, 300, 500
Min. Working pressure	2 bar	
Max. Working pressure	10 bar	
Max. Temperature	60°C	
Weight (empty)	PL050 = 5,1 kg PL050S = 5,9 kg PL080/PL080FL = 6,3 kg	PL050 = 6,0 kg PL050S = 6,7 kg PL080/PL080FL = 7,3 kg
Construction materials	Stainless steel 316, Nitrile Rubber, Nylon	

GEFA Certificates

ISO 9001 - OHSAS 18001 - ISO 14001

Zusätzlich zum Qualitätsmanagementsystem **ISO 9001** hat die GEFA Processtechnik GmbH jetzt auch für die Bereiche Arbeitsschutz (**OHSAS 18001**) und Umweltmanagement (**ISO 14001**) ein sichtbares Zeichen:



Die **OHSAS 18001** und **ISO 14001** Zertifizierungen sind weltweit anerkannte Standards mit dem Fokus auf Personenschutz, Arbeitssicherheit, Gesundheitsvorsorge und Umweltschutz.