



HEMCRO (PTY)LTD

Pressurized Filter Plants

Filters units and Complete Plants



Industrial Filtration

- High quality steel filters
- Applicable for any filtration requirement
- Effective and maintenance friendly

Hemcro (Pty) Ltd

Hemcro (Pty) Ltd is a specialist Engineering, Manufacturing and Construction Company, our main emphasis is on water and waste water treatment systems.

Filtration is an integral process step in the treatment of water for human or industrial uses. Effectively designed pressurised sand filtration systems are extremely efficient and cost effective. Specifically when compared with alternative filtration systems. (eg. gravity sand filtration and membrane systems)

Hemcro (Pty) Ltd offers a full range of standard filter vessels for pressurised sand filtration and activated carbon contact. That can be applied as complete solutions for various applications.



To Order Call: +27 (0) 12 653 0777

Application

Our filters are high quality steel filters, intended for single and dual media filtration, as well as activated carbon contact vessels. Our filter units are designed to form part of the treatment of drinking water, industrial and municipal effluent and pre-treatment for reverse osmosis and membranes.

An array of filters can be interconnected to treat volumes between 4.5m³/hr and 1500 m³/hr. Physical filtration is intended for filtration up to 1.0 micrometer.



Further to the filter range displayed in this catalogue, Hemcro offers complete turnkey projects for filtration and general water treatment plants. These filters are purpose built and most dimensions can be modified to suite your needs.

Advantages:

- The filters are fitted with high quality filter nozzles installed on a nozzle plate. This ensures effective utilization of the filter area for good filtration and backwash. No backwash blowers required.
- Top, side and bottom access to the filter is possible to simplify installation and maintenance.
- The paint system are specifically selected to ensure longevity of the filters taking UV and abrasion into account.
- Filters have a 4.5bar rating and filtered water can be delivered directly into holding tanks if required.
- Complete filter units can be assembled on skids for ease of transport, assembly and installation.
- Automatic backwash system (Electric/Pneumatic) can be supplied.
- Low running cost.
- Easy to operate and maintain.



HEMCRO STANDARD FILTER RANGE



**It's not that perfection
cannot be achieved.
It's that it's so hard
to stop there.**

Hemcro

The filtration specialists

General Filter Specification:

- Grade 355 - Mild Steel
- Paint: Internal - Abrasion resistant epoxy paint system
External - UV resistant epoxy paint system
- Flange detail: SABS 1123, 1000/3
- SANS 62/719 Piping
- Poly Propylene filter nozzles

**600mm Diam. Filter**

- Diam.: 600mm
- Total Height: 1940mm
- Inlet: 40mm SABS 1123, 1000/3 Flange
- Outlet: 50mm SABS 1123, 1000/3 Flange
- 1— off 150mm Side inspection port
- 150mm Top port reducing to inlet pipe
- Removable Nozzle plate
- Shell height: 1190mm

Order Code: FV600**750mm Diam. Filter**

- Diam.: 750mm
- Total Height: 2010mm
- Inlet: 50mm SABS 1123, 1000/3 Flange
- Outlet: 65mm SABS 1123, 1000/3 Flange
- 2—off 150mm Side inspections port
- 150mm Top port reducing to inlet pipe
- Removable Nozzle plate
- Shell height: 1190mm

Order Code: FV750**900mm Diam. Filter**

- Diam.: 900mm
- Total Height: 2090mm
- Inlet: 60mm SABS 1123, 1000/3 Flange
- Outlet: 80mm SABS 1123, 1000/3 Flange
- 2—off 200mm Side inspections port
- 150mm Top port reducing to inlet pipe
- Removable Nozzle plate
- Shell height: 1190mm

Order Code: FV900**1250mm Diam. Filter**

- Diam.: 1250mm
- Total Height:
- Inlet: 80mm SABS 1123, 1000/3 Flange
- Outlet: 100mm SABS 1123, 1000/3 Flange
- 1—off 550mm Side Manhole
- 550mm botom port reducing to outlet pipe
- 1-off 150mm Top insection port
- Fixed Nozzle plate
- Nozzle plate to Outlet:

Order Code: FV1250**1500mm Diam. Filter**

- Diam.: 1500mm
- Total Height:
- Inlet: 100mm SABS 1123, 1000/3 Flange
- Outlet: 125mm SABS 1123, 1000/3 Flange
- 1—off 550mm Side Manhole
- 550mm botom port reducing to outlet pipe
- 1-off 150mm Top insection port
- Fixed Nozzle plate
- Nozzle plate to Outlet:

Order Code: FV1250



1750mm Diam. Filter

- Diam.: 1750mm
- Total Height:
- Inlet: 125mm SABS 1123, 1000/3 Flange
- Outlet: 150mm SABS 1123, 1000/3 Flange
- 1—off 600mm Side Manhole
- 600mm botom port reducing to outlet pipe
- 1-off 250mm Top insection port
- Fixed Nozzle plate
- Nozzle plate to Outlet:

Order Code: FV1750



2400mm Diam. Filter

- Diam.: 2400mm
- Total Height: 2650 mm
- Inlet: 150mm SABS 1123, 1000/3 Flange
- Outlet: 200mm SABS 1123, 1000/3 Flange
- 1—off 600mm Side Manhole
- 600mm botom port reducing to outlet pipe
- 1-off 250mm Top insection port
- Fixed Nozzle plate
- Shell height: 1400 mm

Order Code: FV2400



Filter/ Number	Min and Max Flow Rate (m ³ /hr)							
	1	2	3	4	6	8	10	12
FV600	2.7 - 3.2	5.4 - 6.4	8 - 9.6	10.7 - 12.9	16.1 - 19.3	21.4 - 25.7	26.8 - 32.1	32.1 - 38.6
FV750	4.2 - 5.1	8.5 - 10.2	12.7 - 15.2	16.9 - 20.3	25.4 - 30.5	33.9 - 40.6	42.3 - 50.8	50.8 - 60.9
FV900	6.1 - 7.4	12.3 - 14.7	18.4 - 22.1	24.6 - 29.5	36.8 - 44.2	49.1 - 58.9	61.4 - 73.7	73.7 - 88.4
FV1250	12 - 14.4	23.9 - 28.7	35.9 - 43.1	47.8 - 57.4	71.8 - 86.1	95.7 - 114.8	119.6 - 143.5	143.5 - 172.2
FV1500	17.3 - 20.8	34.6 - 41.5	51.9 - 62.3	69.2 - 83	103.8 - 124.5	138.4 - 166	173 - 207.6	207.6 - 249.1
FV1750	23.6 - 28.3	47.2 - 56.7	70.8 - 85	94.5 - 113.4	141.7 - 170	188.9 - 226.7	236.2 - 283.4	283.4 - 340.1
FV2400	44.6 - 53.6	89.3 - 107.1	133.9 - 160.7	178.6 - 214.3	267.8 - 321.4	357.1 - 428.5	446.4 - 535.7	535.7 - 642.8

Hemcro (Pty)Ltd

2 Bell Crescent
 Hennospark, Centurion
 Gauteng
 South Africa

Phone: +27 (0)12 653 0777
 Cell: +27 (0)83 629 5128
 Cell: +27 (0)82 338 5447
 E-mail: hennie@hemcro.co.za