

Pays You Back Again and Again ...

with **better than original** oil sent back to your hydraulic system after every run



Removes Particles, Carbon & Moisture Contaminants

APPLICATIONS

CNC
Injection molding
Mobile hydraulics
Marine

Small power packs
SPM
SDL, UDM
and many more

A Hydraulic Oil Filtration System now for small power packs and mobile applications by the only manufacturer of depth filtration media in India
Vats Filtration Technologies Pvt. Ltd.

www.vatsfilters.com

With fluent plus, we contribute to save our planet, do you?

Existing contamination in oil increases contamination further - starting the vicious circle.

Contamination causes abrasion to components.

Component abrasion leads to multifold problems.

- Increased friction reducing system performance
- Component damage requiring eventual replacement
- Particulate friction causes oil oxidation resulting into oil replacement
- In addition, moisture creates problems of component corrosion.



This vicious circle of contamination results in...

frequent breakdowns >> productivity loss

component replacements >> increased service and maintenance costs

oil disposals and refills >> heavy operation costs

and ultimately reflects as loss of opportunities

More than 90% hydraulic system failures are because of contamination in oil.

Fluent PLUS supports you breaking this vicious circle!

Features

- ▶ Graded density media filtration
- ▶ Handles wide range of particle distribution
- ▶ Has high dirt holding capacity
- ▶ Rigid construction with thermosetting melamine resin
- ▶ No prime movers, no electricity - Fitted with pressure compensated flow control valve
- ▶ Handles oil up to 110 cst
- ▶ Compatible for wide variety of oils
- ▶ Fast cleaning speed
- ▶ Compact design
- ▶ Higher durability filter
- ▶ Filter replacement very easy
- ▶ Installation without any modification – without violating OEM warranty terms
- ▶ Optional installation of coalescer for – moisture removal

Benefits

- ▶ 100 % performance and hence 100 % productivity
- ▶ Pay back less than one year
- ▶ Virgin oil which is of NAS 10 is brought down and maintained to NAS 7 or below, depending on application
- ▶ Radically minimized component wear, corrosion, component replacement and oil top up
- ▶ No more downtimes
- ▶ Reduced hydraulic filtration cost
- ▶ Prevention of business opportunity losses
- ▶ Ensured customer satisfaction
- ▶ Invaluable social benefits because of drastic reduction in oil consumption throughout the equipment life
 - ⇒ Minimized carbon foot print
 - ⇒ Contribution to nation's balance of trade

With fluent plus, we contribute to save our planet, do you?

Selection Matrix of Fluent plus Models

| Fluent plus | Oil Feed Mechanism | Length of Hsg Pre | Length of Hsg Final | Pre Filter | Final Filter |
|-------------|------------------------|-------------------|---------------------|------------|--------------|
| FP | CV= With Control Valve | 1 = Single length | 0 = None | LPE | LPK |
| | P = With pump | 2 = Double length | 1 = Single length | LPD | LPH |
| | | | 2 = Double length | LPC | LPG |
| | | | | LPB | LPE |
| | | | | LPA | |

e.g. FPCV 11 LPE LPK

| Filter Code | Micron Rating |
|-------------|---------------|
| LPK | 3** |
| LPH | 4** |
| LPG | 5** |
| LPE | 10 |
| LPD | 25 |
| LPC | 50 |
| LPB | 75 |
| LPA | Coalescer |

** Use to maintain the oil equivalent to virgin throughout the service life

Selection Criteria of Fluent plus Models

| | |
|------------------------|--|
| CV | A Pressure compensated Flow Control Valve. This valve works upto 300 bar inlet pressure and delivers the pre-defined filtration flow as per the model. |
| P | With gear Pump. This model is recommended only in those cases where there is no possibility of using Flow Control Valve so as to improve electrical input and related control mechanism. |
| Length of Housings | Single Length for the oil tank volume up to 200 litre, double length for volume up to 400 litre of oil tank (Select based on the oil tank capacity and not on the actual oil quantity in the tank.) |
| Pre Filter Cartridge | Pre filter is required for increasing the life of final filter. It is essential for all heavy duty conditions like Mobile Hydraulics, dusty environment power packs, etc. For moisture removal select Coalescer. For others it should be one or two stages higher micron rating than final filter. |
| Final Filter Cartridge | Select as per your requirement of application. |

NAS 1638

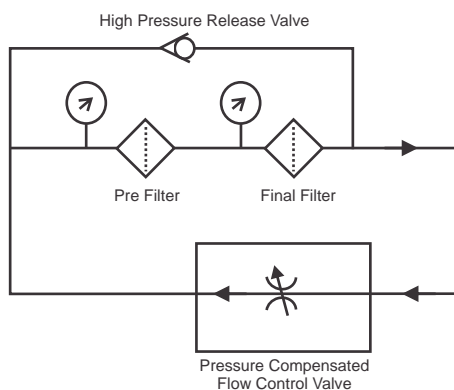
particle in 100 ml

| | 2-5µ | 5-15µ | 15-25µ | 25-50µ | 50-100µ | >100µ |
|----|---------|---------|--------|--------|---------|-------|
| 4 | 20000 | 4000 | 712 | 126 | 22 | 4 |
| 5 | 40000 | 8000 | 1425 | 253 | 45 | 8 |
| 6 | 80000 | 16000 | 2850 | 506 | 90 | 16 |
| 7 | 160000 | 32000 | 5700 | 1012 | 180 | 32 |
| 8 | 320000 | 64000 | 11400 | 2025 | 360 | 64 |
| 9 | 640000 | 128000 | 22800 | 4050 | 720 | 128 |
| 10 | 1280000 | 256000 | 45600 | 8100 | 1440 | 256 |
| 11 | 2560000 | 512000 | 91000 | 16200 | 2880 | 512 |
| 12 | 5120000 | 1024000 | 182000 | 32400 | 5760 | 1024 |

Patch Test Kit



Installation



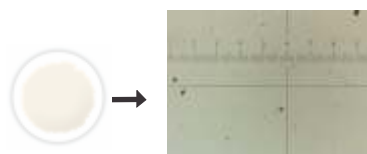
Install without any modification.

Patch Test Result

>NAS 12 before filtration

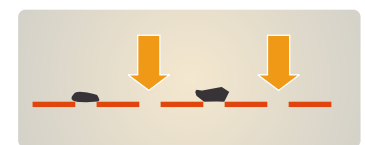


NAS 7 after filtration



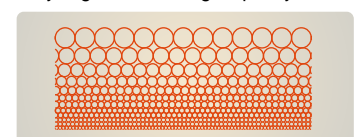
Media Advantage : High Life & High Quality

Surface Filter (Glass Fiber Pleated Media) Very low dirt holding capacity



Other Filtration Solutions

Vats "LP" Graded Density media Very High Dirt Holding Capacity



With fluent plus, we contribute to save our planet, do you?

Vats Filtration Technologies Pvt. Ltd.

Vats Filtration Technologies Pvt Ltd. is the flagship company of the Vatturkar Group.

The company has an experience of more than 15 years in the field of providing efficient and effective filtration solutions for various process requirements of life science and industrial applications.

We are industry recognized leading manufacturers of high quality industrial micro filters and filtration systems in India. We strive to make our expertise available to our customers and assist them in their quest for excellence.

We provide complete technical services and creative solutions for specific filtration requirements.

We supply excellent quality filter cartridges and systems with our vast experience in the filter media manufacturing. We have successfully provided improved techno-economic solutions to our clients.

Our strength is in our keen desire to help our customers continuously add value to their own businesses.

For detailed information on products and solutions, visit www.vatsfilters.com or mail us at info@vatsfilters for your organisation's requirements.

Our Product Range

Micro Filtration Cartridges

Bonflow – Resin Bonded Filter Cartridges

PP Pleated

Nylon / PTFE Pleated, PP Spun/ wound

SS Sintered, SS Multilayered

Filter Housings

SS Filter Housing Single and Multiple

PP Filter Housing Single and Multiple

Lab Systems

Miniature Micro and Ultra Filtration

Systems for Laboratory & Pilot Plants

Fluent Systems

Hydraulic, Turbine,

Lubricating Oil Filtration System

Complete Filtration Systems(Fluent Total)

Turn Key Filtration Solution for Test Rigs

Neat Cutting Oil Processing

Honing Oil

Coalescer Systems

Coalescing Media For Moisture

Separation from Air / Organic

Coalescer System with

Auto Drain Arrangement

Ultra Filtration

Ultra Filtration (UF) Membrane Sheet
and module 2x10, 4x40, 8x40 etc.

UF System for variety applications

Vats Filtration Technologies Pvt. Ltd.

Business Associates

Manufactured By



An ISO 9001:2008 Company

VATS FILTRATION TECHNOLOGIES PVT. LTD.

Initiatives & Solutions for Industries, Globally

(Formerly Known As Vats Micro Fine Filters Pvt. Ltd.)

(Parental company of M/s Ojashree Equipments Pvt. Ltd.)

S. No. 78/1, Shivkamal Ind. Estate, Ahead of Ganapati Matha Mandir,
Shivane, Tal. Haveli, Dist. Pune, Maharashtra, India.

Telefax: +91 20 652 61580, 652 61581, 652 61582

Email: info@vatsfilters.com. Website: www.vatsfilters.com

With fluent plus, we contribute to save our planet, do you?