

# Hydrau vision



## HydrauSupport 450FF Filtration unit

### Technical Specification

Max. working pressure	: 350 bar
Max. return pressure	: 16 bar
Maximum flow	: 450 ltr/min
Operational ambient temp.	: -20 till +50 °C
Operational fluid temperature	: +20 till +70 °C

Overall length	: 1500 mm
Overall width	: 1250 mm
Overall height	: 1600 mm
Total weight excl. fluid	: 1120 kg
Total weight incl. fluid	: 1150 kg

Fluid connections:	
-Pressure HPU (1x)	: QC Nipple VOF200 2" BSP
-Pressure HPU (3 x)	: QC Nipple VOF112 1,5" BSP
-Flush loop IN (1x)	: QC Coupler VOF200 2" BSP
-Flush loop IN (3x)	: QC Coupler VOF112 1,5" BSP
-Flush loop OUT (1x)	: QC Nipple VOF200 2" BSP
-Flush loop OUT (3x)	: QC Nipple VOF112 1,5" BSP
-Return tank HPU (1x)	: QC Coupler VOF200 2" BSP
-Return tank HPU (3x)	: QC Coupler VOF112 1,5" BSP

Gas connections (purging)	
Air	: 3/4" BSP
Nitrogen (N2)	: Via N2 reducer connection, max 200 bar

Hydraulic fluids	: HLP/ HVLP/ HEES ISO-VG32, 46 and 68
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### Benefits

- Open hydraulic circuit with one pressure- and one return line filter
- High pressure ball valves in flushing loop in and out for pressure test
- High capacity filtration with wide range of filtration grades of 3, 5 and standard 10 micron, other grades are available on request
- Minimes connections for mobile electronic particle counter
- Analog instrumentation: Pressure gauges (HP, LP and gas pressure), in and out temperature meters, flow meter in return line, filter clogging indicators

### Scope of Supply

#### Included:

- Lifting points (4) and integrated forklift-trays.
- User manual.

#### Excluded:

- Hydraulic hoses and extra Quick Connectors
- Filter elements
- Nitrogen bottles with reducer apparatus
- Mobile electronic particle counter
- Transport and installation

Above mentioned items can be included on request.

All performance data and specifications mentioned in this document are guidelines. Due to operational and environmental influences performance data may vary. All products are subject to continuous review. Hydrau vision reserves the right to change specification without prior notice.

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The HydrauSupport 450FF is a multipurpose hydraulic filtration unit and is designed as an additional unit in order to flush piping and to filter hydraulic fluids of hydraulic systems.

The HS 450FF is not self-provided and can be connected to existing hydraulic power units (HPU's) of the customer, but also to rental hydraulic power units as the HydrauPack HP45 (diesel or electric driven), HP200 or the HP250.

In addition, the HS 450FF has the possibility to purge the hydraulic piping of a hydraulic system with nitrogen or air in order to clean and dry after flushing. For monitoring analog instrumentation like pressure, temperature, flow and filter clogging indicators are provided.

The HydrauSupport 450FF is Lloyd's Register certified according D.N.V. rules 2.7-1 and EN12079 and provided with both 4 lifting points and integrated forklift-trays to ensure easy handling.

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