



# FMS-HFS-15

HYDRAULIC OIL KIDNEY LOOP

NFPA/T2/6/1  
BURST & FATIGUE RATING

ISO 3968  
Pressure Drop vs Flow



## ULTRA CLEAN OIL MAXIMUM PERFORMANCE

The HFS Hand Held Portable filter unit is used as a service unit for filling hydraulic systems, flushing small hydraulic systems as well as for cleaning in bypass flow. Solid particle contamination as well as free water can be removed by the filter elements.

The HFS can also be supplied with a CS 1000 Contamination Sensor. This allows the solid particle contamination in the oil to be monitored at the same time. The cleanliness class results are displayed according to ISO and SAE classifications.

**IMPROVEMENT IN SERVICE LIFE FOR COMPONENTS & SYSTEM FILTERS**

**INCREASED OIL SERVICE LIFE**

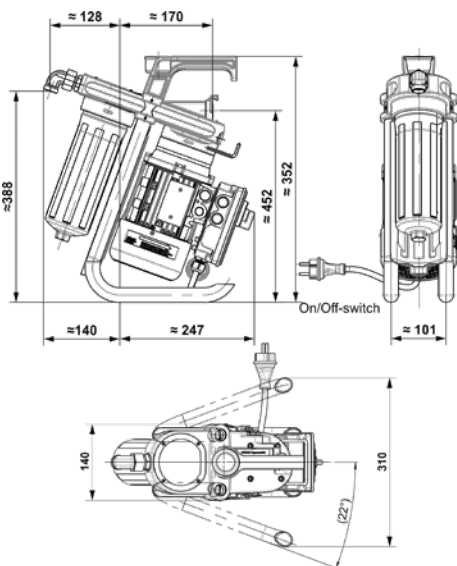
**INCREASED MACHINE AVAILABILITY**

**CS 1000 (OPTIONAL) ENSURES CONTINUOUS MONITORING OF OIL CLEANLINESS**

**INTEGRATED DRY RUNNING PROTECTION**

**SIMPLE OPERATION, COMPACT DESIGN**

BENEFITS



### APPLICATIONS

- Filtered and unfiltered filling of hydraulic systems
- Temporary offline filtration of hydraulic systems
- Filtered or unfiltered fluid transfer
- Unfiltered drainage of hydraulic tanks
- Leakage oil recirculation at test benches

### TECHNICAL SPECIFICATION

Flow rating	4gpm (15 L/min)
Pump type	Vane pump
Maximum operating pressure	58 psi (4.0 bar)
Maximum permissible inlet pressure	-5.8 to 8.7 psi (-0.4 bar to +0.6 bar)
Viscosity range	42 SUS to 1623 SUS (5 to 350cSt)
Fluid temperature	14 to 176°F (-10 to +80 °C)
Ambient temperature	14 to 104°F (-10 to +40 °C)
Seal Material	FKM (Viton®)
Weight	30.9 lb (14 kg)
Hoses w/ crimped wands (standard)	Suction hose length: 8.2' (2.5m) Return hose length: 8.2' (2.5m)
Hose material	PVC
Wand material	Zinc-plated steel

**HIGHEST BETA RATIO CONTAMINATION REMOVAL EFFICIENCY IN THE MARKET**

Beta 4>4194