

# Suction Strainer for hydraulic filtration

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# MANN+HUMMEL Suction Strainer for hydraulic filtration

## Description

Our **highly effective hydraulic oil filter portfolio** remove harmful particles from hydraulic oil thanks to their **strong separation performance** – with the aim of reducing machine and equipment wear and **downtime**, and also extending their **service life**. In this way, hydraulic oil components such as pumps, valves and cylinders are effectively protected over the long term – for high-performance and clean hydraulic oil systems.

Our **Suction Strainer** with pressure loss optimized design for flow rates up to 500 l/min is perfectly suited for an application in the suction line of pumps of the hydraulic or lubrication circuit. For optimal protection, the installation should be done before the pump in the tank.

Various integrated functions enable versatile use in a wide range of positions in the hydraulic oil circuit and can be combined as required.

- Commercial vehicles
- Construction and agricultural machinery, e.g. hydraulic oil systems of tractors and excavators
- Forklifts
- Other mobile machinery, such as lifting platforms



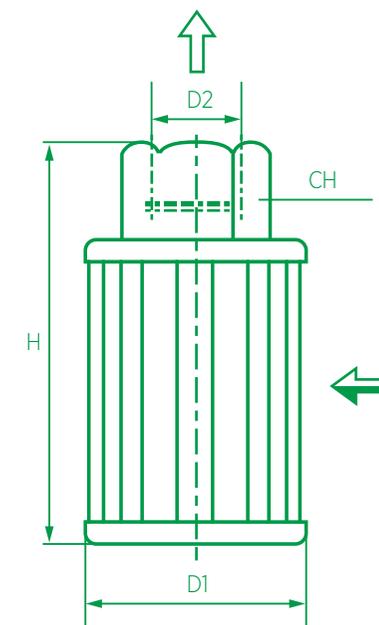
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## Technical specification

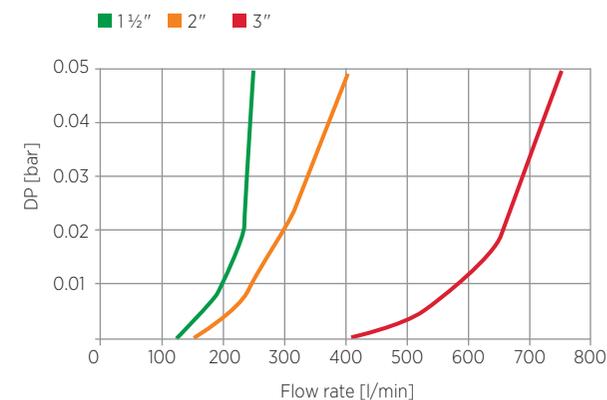
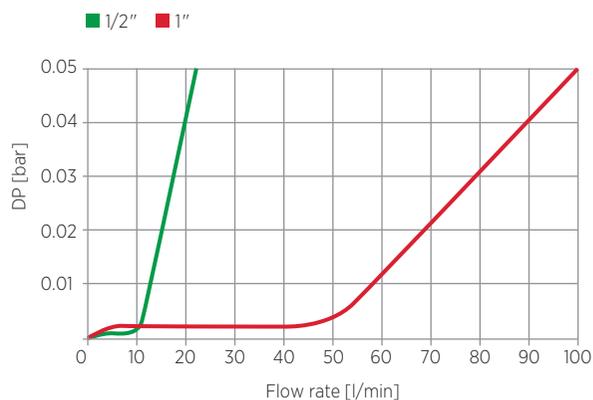
Flow capacity	15 to 500 l/min at 32 mm <sup>2</sup> /s viscosity and 0.02 bar delta p
Temperature range	-20 °C up to +100 °C
Degree of filtration	90 µm
Other ratings	on request
Collapse pressure	1 bar
Material of connecting port/end cap	Polyamide GF
Material of end cap	galvanized steel
Material of inner tube	galvanized steel
Material of wire mesh	stainless steel
Hydraulic fluids	Mineral oils (biodegradable fluids on request)
Filter can also be equipped with by-pass valve (0.3 bar), please request	

## Characteristics

Sales designation	Flow rate (l/min)	Mesh size (µm)	D1 Diameter (mm)	D2 Thread	H Length (mm)	CH (mm)
HD 4003	15	90	44	½"	105	27
HD 7011	50	90	65	1"	140	42
HD 9009	70	90	86	1"	110	42
HD 9010	95	90	86	1½"	140	68
HY 10 003	130	90	86	1½"	200	68
HD 15 004	250	90	150	2"	150	104
HD 15 008	500	90	150	3"	270	104



## Pressure drop curves





## MANN+HUMMEL Contact

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### **Engineering**

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**Watch the video of our hydraulic oil filter portfolio.**