

HYDAC INTERNATIONAL



Barrel Transportation and Filtration Trolley

FT 5

Description

The barrel transport and filtration trolleying FT 5 is a mobile oil servicing and care unit used for filtration during the filling of plants and when repumping hydraulic and lubrication media. The unit is intended for carrying along a standard oil barrel (200 l).

A switch on the unit enables simple changeover between pumping operations with and without filtration.

Applications

- Hydraulic and lubrication oil systems in a variety of industries

Advantages

- Convenient filtration in bypass flow
- Safe and simple transport of a 200 l standard oil barrel
- Simple handling
- Filling with defined oil cleanliness
- Increased system availability
- Reduction of life cycle costs LCC

Technical details

Max. flow rate	30/40 l/min
Operating pressure	4.5 bar max.
Viscosity range	15 to 800 mm ² /s (version-dependent)
Permitted operating fluid	Mineral oil (others on request)
Permitted suction pressure at suction port	-0.4 bar to +0.6 bar
Fluid temperature	-10 to 80°C
Ambient temperature	-20 to 40°C
Seals	NBR (option: FPM)
IP class	IP 54
Length of power cable	6 m
Length of hoses	3 m
Hose connections	Suction hose NW 30 with lance Pressure hose NW 25 with lance
Weight	≈ 160 kg
Accessories	Pistol grip filling nozzle Flow meter

Model code

FT5 L 10 P 6 N 2 B 05 E

Type

FT5 = Barrel Transportation and Filtration Trolley

Versions

L = Without change-over valve

F = With change-over valve

Type code

10 = Standard

Special models on request

Seals

P = NBR (Perbunan)

V = FPM (Viton)

Motor-pump unit

Meas. ref. Theor. output at 1450 rpm

3

30 l/min

6

40 l/min

Max. viscosity

250 mm²/s

800 mm²/s

El. motor rating at 50 Hz

0.75 kW

1.5 kW

Electric motor voltage

M = 1 x 230V - 50 Hz

N = 3 x 380 - 420 V - 50 Hz, 3 x 440 - 480 V - 60 Hz

S = 3 x 500 - 600 V - 50 (60)Hz

X = Special voltage

Filter size

1 = Element 330

2 = Element 1300

Filter material

B = Betamicon (BN4HC)

A = Aquamicon (BN/AM), (AM)

Filtration rating

03 = 3 µm BN4HC; BN/AM

05 = 5 µm BN4HC

10 = 10 µm BN4HC; BN/AM

20 = 20 µm BN4HC;

40 = 40 µm AM

Clogging indicator

E = Standard, back-pressure indicator

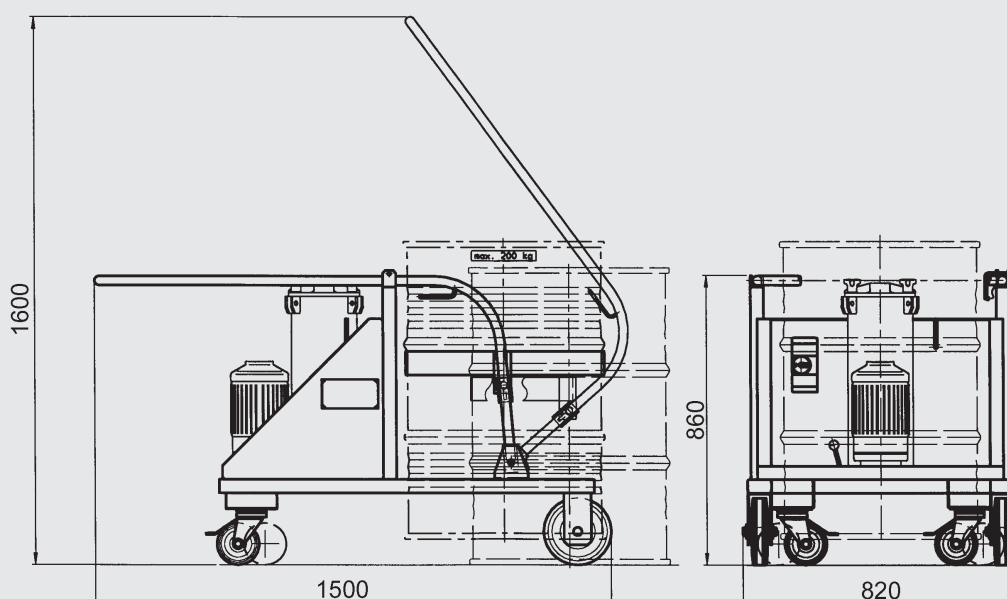
B = Option: differential pressure gauge - visual

C = Option: differential pressure gauge - electrical

D = Option: differential pressure gauge - visual/electrical

B, C and D not for version "L"

Dimensions

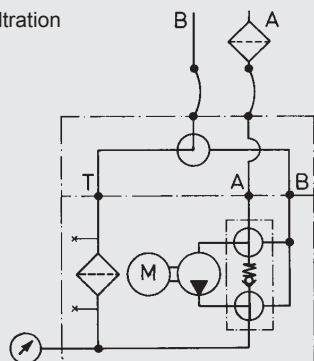


E 7.937.4/01.16

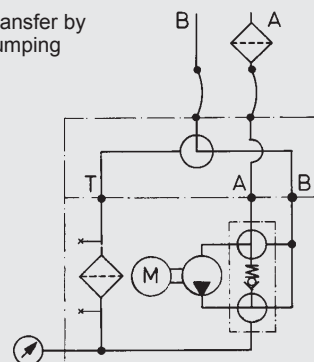
Hydraulic circuit diagram

Version F

Filtration

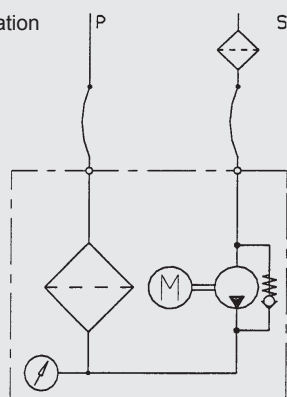


Transfer by pumping



Version L

Filtration



Replacement elements

Filter size	Filtration rating	Element type	Part no.
1	3 µm	0330 R 003 BN4HC/-KB (-V-KB)	1262999 (1263640)
1	5 µm	0330 R 005 BN4HC/-KB (-V-KB)	1263000 (1263641)
1	10 µm	0330 R 010 BN4HC/-KB (-V-KB)	1263001 (1263642)
1	20 µm	0330 R 020 BN4HC/-KB (-V-KB)	1263002 (1263643)
1	40 µm	0330 R 040 AM/-KB (-V-KB)	1272067 (1266563)
1	3 µm	0330 R 003 BN/AM/-KB (-V-KB)	1272069 (1276690)
1	10 µm	0330 R 010 BN/AM/-KB	1272068
2	3 µm	1300 R 003 BN4HC/-KB (-V-KB)	1263059 (1263760)
2	5 µm	1300 R 005 BN4HC/-KB (-V-KB)	1263060 (1263761)
2	10 µm	1300 R 010 BN4HC/-KB (-V-KB)	1263061 (1263762)
2	20 µm	1300 R 020 BN4HC/-KB (-V-KB)	1263062 (1263763)
2	40 µm	1300 R 040 AM/-KB	1267699
2	3 µm	1300 R 003 BN/AM/-KB	1267991
2	10 µm	1300 R 010 BN/AM/-KB (-V-KB)	1270010 (1276060)

V = Viton
KB = Without bypass