

HYDAC INTERNATIONAL



Barrel Transportation and Filtration Trolley FT 5

Description

The barrel transport and filtration trolley 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

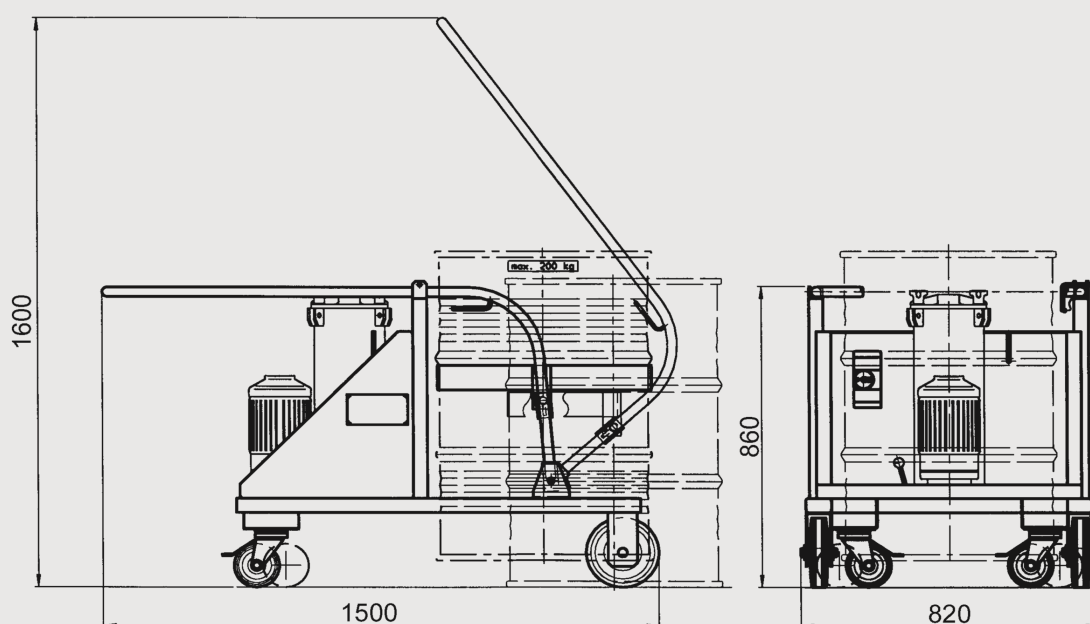
B = Option: differential pressure gauge - visual

C = Option: differential pressure gauge - electrical

D = Option: differential pressure gauge - visual/electrical

B, C and D not for version "L"

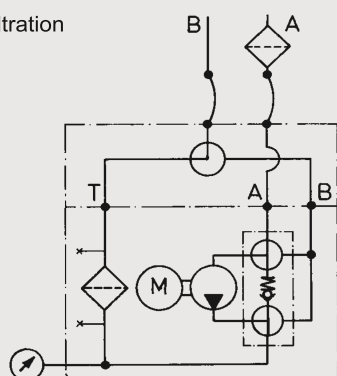
Dimensions



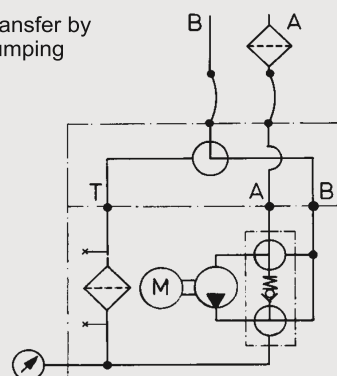
Hydraulic circuit diagram

Version F

Filtration

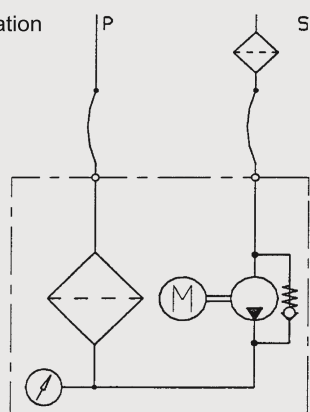


Transfer by pumping



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

Note

The information in this general brochure relates to the operating conditions and applications described.
For applications and operating conditions not described, please contact the relevant technical department.
All technical details are subject to change.

E 7.937.4/01.16