



AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

AIRCRAFT MODEL

All aircraft with this specification

Filling hydraulic cart

M0414



This ABC Filling hydraulic ground cart is suitable for:

- ✦ AMM/ATA29 maintenance and overhaul tests on aircraft hydraulic system
- ✦ Filtering the aircraft hydraulic system for decontamination
- ✦ Filling the aircraft hydraulic system

5 Usqpm
20 l/min

Skydrol

The HGPU model M0414-series is designed for hangar applications with focus on simplicity to operate and maintain and to fill the aircraft.

One version is available with the following specifications:

HGSU Models	Flow	Pressure	Max pressure
M0414 A	5 usqpm	100 psig	145 psig
	20 lpm	7 bar	10 bar

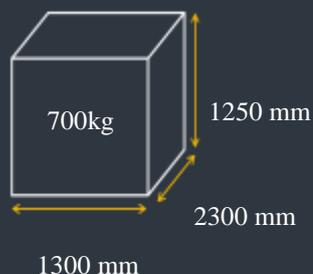


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OVERALL DIMENSIONS



Hydraulic hoses:

- 6 meters (without aircraft quick-disconnect)

- Power supply cable : 10 meters (without plug)

OPERATING CONDITIONS

Operating temperature:
from +10°C to +40°C

Indoor use (maintenance hangar)

Easily movable by one operator

Forkliftable

Power supply: 3 x 400V, 50Hz,
+ Ground (other upon request)

Commands circuit upon 24V
(Safety voltage)

Main Characteristics



The chassis is made of a welded painted structure movable thanks to two locking swivel casters and two rigid ones. The side panels are made of stainless steel material. One lateral panel is a stainless steel basket for stowing the hydraulic hoses. All commands are simple to operate. The complete hydraulic system is mounted on a special tray to collect possible leaks and thus help preserve the environment.

Standard accuracy (other upon request)

- ✦ Pressure gauge: Class 1,6
- ✦ Sound level : less than 76 dbA
- ✦ Hourmeter

Options available (other upon request)

- ✦ **P05** : A better accuracy for pressure with a pressure transducer and a display calibrated in class 0.5
- ✦ **D05** : A better accuracy for flow with a flowmeter and a display calibrated in class 0.5
- ✦ **QD** : Aircraft quick-disconnect
- ✦ **TY** : Hydraulic hose length 10 meters
- ✦ **EC** : Electrical cable length 12 meters
- ✦ **CP** : Connectors for connecting an external particles counter
- ✦ **PP** : Sampling port

Hydraulic parameters

- ✦ Esterphosphate oil based HGTU such as Sydrol and Hyjet IV & V (other upon request)
- ✦ Single power system with one supply line
- ✦ Fix stoke pump
- ✦ Pressure range: adjustable up to 0 psi / max 145 psi at reduced flow upon pressure manometer
- ✦ Flow range: up to 5 usgpm upon visual flow indicator
- ✦ Non-stop fluid decontamination level in class 5 (or better) upon NAS 1638 standards using filter with clogging indicator
- ✦ Air/Oil heat exchanger with low noise level
- ✦ 145 usgallon (550 liter) reservoir capacity



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