

Hydraulic testing bench

FIT50 series

For gas cylinders and reservoirs



Description

The equipment is designed for the hydraulic testing of high pressure cylinders and fire extinguishers.

FIT50 series is composed by two basic versions which differ each from the other for the number of cylinders tested simultaneously. FIT/50 model is suitable for 6 cylinders, while the FIT/50 DUO is suitable for 6 + 6 cylinders for each testing cycle.

Unlike the traditional testing systems, this unit allows the operator to work without cylinders full of water. Thanks to the integrated cylinder inverter and manifolds, water filling, pressure testing and water purging operations are performed directly by the FIT50, making the whole procedure less laborious, faster and safer. In particular, the FIT/50 DUO allows to alternate the operations on the 2 inverters, with 6 cylinders on testing and the other 6 on preparation, speeding up the process and increasing the productivity of the testing station.

TECHNICAL SPECIFICATIONS

MODEL	FIT/50	FIT/50 DUO
Cylinder places	6	12 (6 + 6)
Cylinders tested per hour (max - depending on sizes)	Up to 30	Up to 60
Minimum cylinder clamping diameter (mm)	160	160
Max cylinder clamping diameter (mm)	270	270
Minimum cylinder height (mm)	900	900
Max cylinder height (mm)	1700	1700
Max testing pressure (bar)	450	450
Required air pressure (bar)	Min 7, max 10	Min 7, max 10
Voltage/Frequency (VAC/Hz)	400/50	400/50
Installed power (kW)	2	4
Dimensions (W x L x H) (mm)	3050x2240x2500	6700x2240x2500
Weight (approx kg)	800	1980

Hydraulic testing bench



FIT/50 with PPF50 front protection



Test connection

MAIN COMPONENTS AND DEVICES

- > Painted steel support structure
- > Spring based cylinder blocking unit with active safety device
- > Cylinder fast emptying system
- > Air/water distribution manifold
- > Protective cover equipped with sensors
- > Main switchboard with 24V. controls

STANDARD INCLUDED ACCESSORIES

- > Fast coupling filling connectors with W28.8 DIN477 expansion seal
- > Fast coupling testing connectors with W28.8 DIN477 expansion seal
- > Fast draining nozzles
- > Filling and testing flexible hoses

ADDITIONAL EQUIPMENT AND ACCESSORIES ON REQUEST

DESCRIPTION	MODEL
ELECTRICALLY DRIVEN TEST PUMP UP TO 300 bar	N7/15-300
ELECTRICALLY DRIVEN TEST PUMP UP TO 500 bar	N7/15
PNEUMATICALLY DRIVEN TEST PUMP UP TO 300 bar	N7/2
PNEUMATICALLY DRIVEN TEST PUMP UP TO 500 bar	N7/5
ADAPTER ALLOWING TO TEST CYLINDERS FROM 500 TO 900 mm IN HEIGHT	FOOT 500
ADAPTER ALLOWING TO TEST CYLINDERS FROM 110 TO 160 mm IN DIAMETER	FOOT 100
800 l WATER TANK COMPLETE OF ELECTRIC PUMP FOR FAST FILLING OF CYLINDERS TO BE TESTED	TANK800
WATER RECOVERY TANK COMPLETE OF ELECTRIC PUMP AND ACCESSORIES ALLOWING TO RECOVER OR TO PURGE THE WATER AFTER EACH TEST CYCLE	BWT50 – BWT100
FRONT PROTECTION SLIDING DOOR PREVENTING PRESSURE TEST IF DOOR IS NOT CLOSED	PPF50
FAST COUPLING FILLING AND TESTING CONNECTORS FOR 1" NGT CYLINDERS	HTQ10 – HTF10
FAST COUPLING FILLING AND TESTING CONNECTORS FOR 17E (19,8x1,814 DIN477)	HTQ12
FAST COUPLING FILLING AND TESTING CONNECTORS FOR 3/4 NGT CYLINDERS	HTQ34 – NGT
FAST COUPLING FILLING AND TESTING CONNECTORS FOR DIFFERENT CYLINDERS THREADS	HTQ34 – HTF
FAST REDUCING CONNECTIONS FROM 25E FEMALE TO VARIOUS CYLINDER THREADS ALLOWING TO TEST SPECIAL CYLINDERS	HTR34

> PER MAGGIORI INFORMAZIONI:
FOR FURTHER INFORMATION CONTACT:
POUR INFORMATIONS CONTACTER.

DAMOTEK S.r.l.
Via Avv. Giovanni Agnelli, 10 12033 MORETTA (CN) ITALY
Tel: +39 0172 911235
Fax: +39 0172 911322

www.damotek.com
info@damotek.com



ISO 9001