

Economy Universal Nitrogen Gas Charging & Testing Kit for accumulator pressure testing, pressure reduction & increase.

## GPS-PCFPU280/70-U

- Safe & easy to use Minimesse® charging & testing connections
- Designed to connect to most common industrial accumulators
- Minimesse test points offer excellent system access versatility
- Simple hand tightening hose connection on to accumulator charging device
- Industrial standard pressure regulator for quick and accurate testing, reducing or charging with nitrogen



The Minimesse® economy universal gas charging test kit is the ultimate service tool designed to test, reduce or increase charge pressures in most common bladder, diaphragm & piston type accumulators.

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## DESCRIPTION

The Universal nitrogen accumulator charging kit with pressure regulator is designed for charging a wide selection of accumulator types with nitrogen or to check or reduce existing pre-charge pressure in accumulators. The kit has a vast quantity of adaptors for piston, bladder & diaphragm accumulators and comes with a high quality pressure regulator for setting charge pressures making this the ultimate tool for service professionals.

## FEATURES

- Safe & easy to use Minimess® charging & testing connections
- Allows connection to most common accumulators
- Minimess 1615 or 1620 accumulator connections
- M28x1.5 female accumulator connection with additional 5/8" - 18 UNF, VG8 (Schrader style), 7/8" - 14 UNF and 1/4" BSP adaptors
- High quality bottle pressure regulator for setting of charge pressures from 10 to 200 bar

## KIT CONTENTS

- 1 x GPS-420 series nitrogen pressure regulator with 5/8" BSP male UK bottle connection. 10...200 bar settable pressure range.
- 1 x PCFPU accumulator charging device with M28x 1.5 female to Minimess® 1620 microbore hose connection with manual bleed valve.
- Minimess® 1620 to 5/8" BSP male UK bottle connection (if regulator not required).
- 60 bar analogue gauge with safety blow out flap (for PCFPU device).
- 250 bar analogue gauge with safety blow out flap (for PCFPU device).
- 1 x 5/8" - 18 UNF male to VG8 female (schrader style) short thread.
- 1 x 5/8" - 18 UNF male to VG8 female (schrader style) long thread.
- M28 x 1.5 male to 5/8" UNF female master adaptor for PCFPU device
- 1 x 5/8" - 18 UNF male to 7/8" - 14 UNF female long (with pin).
- 1 x 5/8" - 18 UNF male to 7/8" - 14 UNF female short (without pin).
- 1 x 5/8" - 18 UNF male to 1/4" BSP female (with pin).
- Set of spare seals.
- 1 x Minimess 1615 to Minimess 1620 (with check valve) microbore charging & testing hose - 2.5 metre long\*
- 1 x Minimess 1615 to Minimess 1615 (with check valve) microbore charging & testing hose - 2.5 metre long\*



\*Any hose lengths available upon request.

## CONNECTION EXAMPLES

Pressure regulator with Minimes connection & 2.5m long microbore hose to Minimes® 1615 or 1620 accumulator charging valves.



As above but with PCFPU accumulator charging device with M28x1.5 female connection and with alternative adaptors supplied.



- 1 Minimes® 1615 or 1620 accumulator charging valve.
- 2 Accumulator pressure gauge.
- 3 N2 bottle pressure gauge.
- 4 N2 bottle connection.
- 5 Pressure regulating knob.
- 6 Soft-seal bleed valve.
- 7 Minimes® 1620 charging hose connection.
- 8 PCFPU charging head M28x1.5 female (see below for adaptors to suit your requirement).

## VALVE CONNECTIONS

(See our PCFPU kit datasheets for further information)



M28x1.5 (with hex pin) Hydac / Parker



5/8" -18 UNF



5/16" -32 UNEF / Vg8 (short thread) Schrader  
5/16" -32 UNEF / Vg8 (long thread) Schrader



1/4" BSP (Parker / Olaer)



7/8" -14 UNF (short thread)  
7/8" -14 UNF (long thread with pin)



Minimes M16x2 (1620)  
Minimes M16x1.5 (1615)

## ORDERING CODES

For all valve connection adaptors as shown

**GPS-PCFPU280/70-U**

For M28x1.5 and Minimes 1615 & 1620 only

**GPS-PCFPU280/70-X**



Add **-D** to product code for a digital pressure gauge fitted to the regulating & testing device.

See [hydrotechnik.co.uk/ddpg](http://hydrotechnik.co.uk/ddpg) to read more about the gauge.