

DAMPER UNIT ASSEMBLY RIG

General description

Folliard Hydraulics Ltd manufacture an automotive damper unit assembly rig.

This has been specifically designed to allow gas filled dampers to be assembled under semi-automatic control.

The assembly rig is an ideal tool for batch sizes up to 500 units per day.

A wide range of stroke, bore, fluid volume and gas pressures can be catered for, with very easy change over between damper sizes.

The unit is self-contained and only requires electrical power, pneumatic power and a nitrogen bottle.

Basic Operation

Each bore and rod size requires a specific adapter.

The required stroke length is then set and the oil volume required is adjusted on the positive displacement metering unit.

Gas pressure is set on the digital pressure sensor, and then the first unit can then be fitted for assembly.



Technical Specification	
Maximum Gas pressure	25 Bar
Filling Temperature limits	40°C
Hydraulic fluid	Damper fluid
Viscosity range	5 cSt - 32 cSt
Weight	500 Kg
Air Pressure	7 Bar
Nitrogen Bottle	With pressure reducer (required)(To suit customer)
Electrical Data	
Power	240 VAC 50 Hz 15 Amps