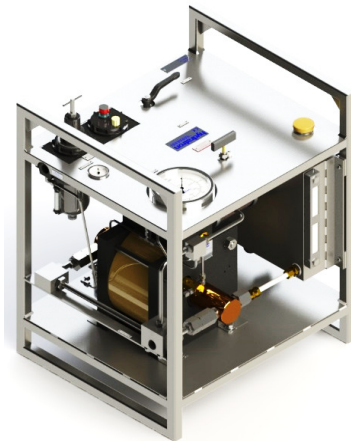


## Technical Data Sheet

## Model – HPU-DA118/4.1-N\*-L\*\*/options



### HPU-DA SERIES

Air operated, high flow, double acting hydraulic pumps for pressure testing, chemical injection and hydraulic power.

#### Features:

- Infinitely variable output pressure and flow
- Holds static pressure without generating heat or consuming power.
- Standard models are suitable for oil or water applications
- Well proven and trouble free operation
- Designed for ease of maintenance
- Low cost servicing
- Robust construction

### Performance Data

Max Rated Output Pressure	11,854psi (818bar)
Output Per Cycle	4.5 in <sup>3</sup> (74cc)
Max Flow	634 in <sup>3</sup> /min (10 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	118 : 1
Air Consumption	120 scfm (3,400 NI/min)
Tank Capacity	5 Gallons (23 litres)

### Seal options (N\*)

N* (Standard)	Nitrile (Buna-N) Main Seal and Check Valve Seals
V	Viton (FKM) Main Seal and Check Valve Seals
C	Chemraz (FFKM) Main Seal and Check Valve Seals

### Construction

Frame and Tank	Stainless Steel
Air Motor	Anodised Aluminium / Nitrile (Buna-N) Seals
Hydraulic Cylinder	Aluminium Bronze
Piston	Stainless Steel + Corrosion Resistant Chrome Finish
Outlet Port	Stainless Steel
L1** (Standard)	Brass / Copper Hydraulic Inlet, Air Inlet and Plated Steel Silencer
L2** (Optional)	Stainless Steel Hydraulic Inlet, Air Inlet and Silencer

### Connections

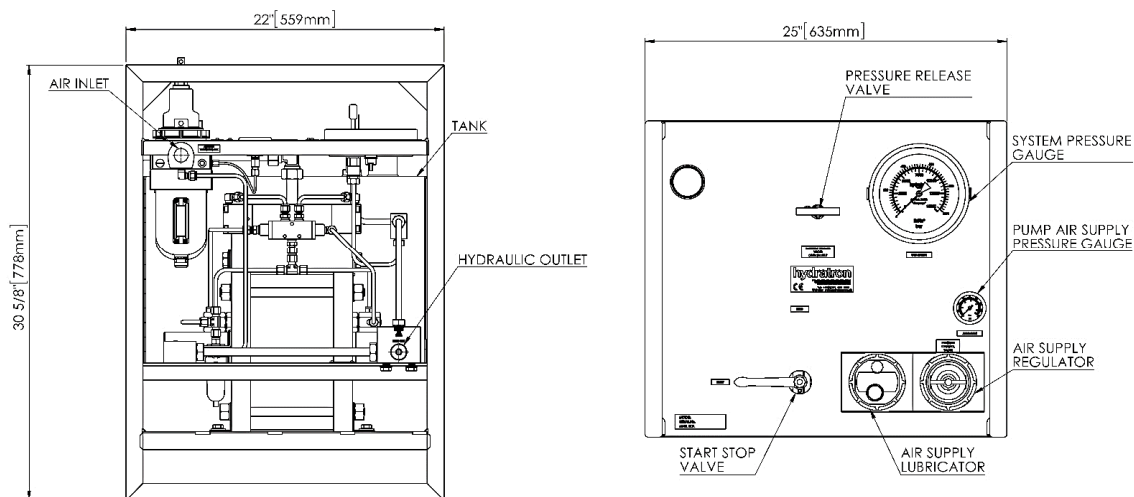
Hydraulic Outlet	3/8"MP(F)
Air Inlet	3/4"BSPP(F)
Net Weight	90kg (198lb)

### Common options (but not limited to)

/A	ATEX (94/9/EC) II 2GD c T5
/F	Panel mount digital stroke counter (non ATEX)
/G	Panel mount pneumatic stroke counter
/I (Over all dimension varies)	Isolation valve
/M	Mild steel painted frame (Painted Blue) + Stainless steel tank (if applicable to the unit)
/O (Over all dimension varies)	Single pen chart recorder complete with recorder isolation valve
/Q (Over all dimension varies)	No tank-direct fluid inlet via Y type stainless steel strainer
/R	Relief valve
/T (Over all dimension varies)	Tank bypass
/V	No tank-direct hydraulic inlet via Y type brass strainer
/W	Fitted with wheels
/X	Gauge protection guard

## General Layout Drawing

Model – HPU-DA118/4.1



## Hydraulic Pressure Static/Stall Conditions

Air Pressure	Hydraulic Pressure
20psi (1.4bar)	2,370psi (163bar)
40psi (2.8bar)	4,740psi (327bar)
60psi (4bar)	7,110psi (490bar)
80psi (5.5bar)	9,480psi (654bar)
100psi (7bar)	11,854psi (818bar)

## Flow Curve

### DA118 Ratio 118:1

