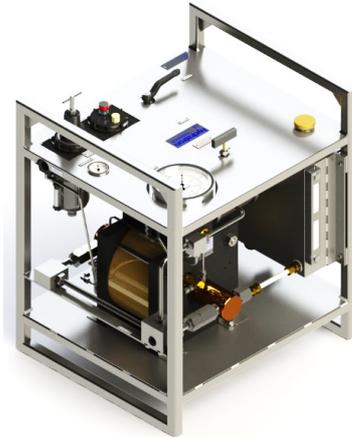


Technical Data Sheet

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 ³ (74cc)
Max Flow	634 in ³ /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

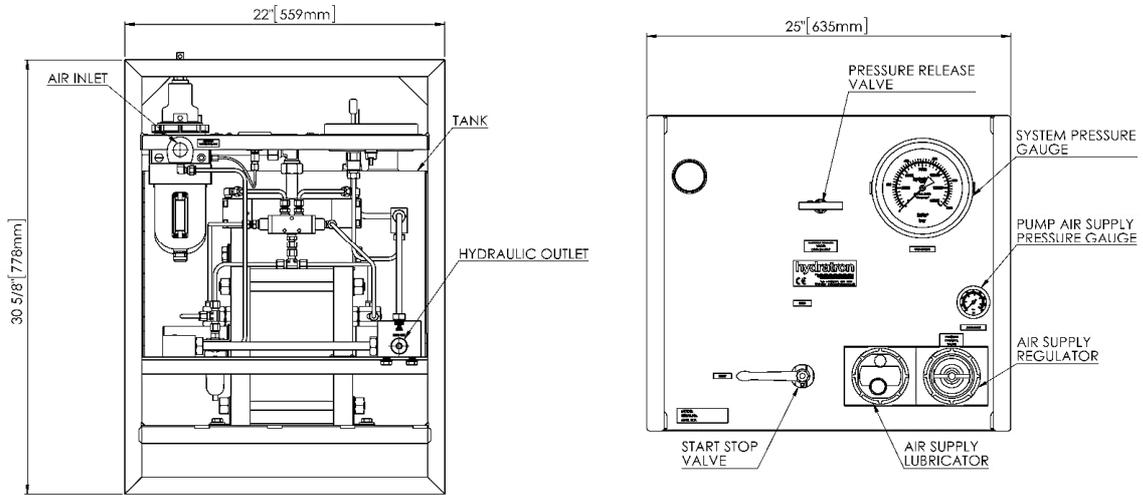
Connections

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

