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TECHNICAL DATA SHEET

PRODUCT HYPS-AZ-2-237H-N*/**options

SERIES HYPS-AZ-2 Single Acting

Air operated, hydraulic power pack 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

Basic Models are ATEX Certified in accordance with 2014/34/EU. *Note: addition of options may affect ATEX rating.*

PERFORMANCE DATA

Max Rated Output Pressure	23,700psi (1,634bar)
Output Per Cycle	0.376 in³ (6.16cc)
Max Flow	96 in³/min (1.57 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	237 : 1
Air Consumption	56 scfm (1,586 NI/min)
Tank Capacity	2.5 Gallons (11.4 litres)

SEAL OPTIONS (N*)

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







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Frame and Tank	Stainless Steel
Air Motor	Anodised Aluminium / Wound Composite / Nitrile (Buna-N)
Hydraulic Cylinder	Stainless Steel
Piston	Stainless Steel + Chrome Finish
Outlet Port	Stainless Steel

CONNECTIONS

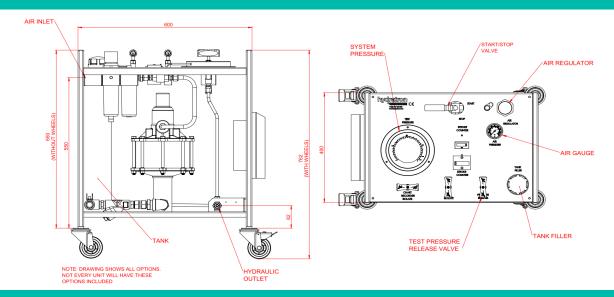
Hydraulic Outlet	1/4" HP(F)
Air Inlet	1/2" BSPP(F)
Net Weight	30kg (66lb)

COMMON OPTIONS (BUT NOT LIMITED TO)

/ D	External fluid supply via bulkhead (no tank fitted)
/T	Stainless steel tank fitted
/ Tx	Stainless steel tank fitted with external fluid supply port
/ F	Panel mount digital stroke counter (non ATEX)
/ G	Panel mount pneumatic stroke counter
/1	Test isolation valve fitted
/0	Single pen chart recorder complete with recorder isolation valve
/ W	Fitted with wheels
/ R	Relief valve fitted and set in test line



GENERAL LAYOUT DRAWING



HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	4,400psi (303bar)
40psi (2.8bar)	9,100psi (928bar)
60psi (4bar)	14,000psi (965bar)
80psi (5.5bar)	18,800psi (1,297bar)
100psi (7bar)	23,700psi (1,634bar)

FLOW CURVE AZ-2-237 - Ratio 237:1

