



P2 Series high accuracy chemical injection/pressure testing skids data sheet model numbers:

P2-15-DA-SK (MWP 20,000 psig)

P2-20-DA-SK (MWP 12,000 psig)

The P2 series skids are heavy duty chemical injection units. P2 series skids are modular in design to incorporate either of the two available P2 pump units in the range regardless of the pressure and flow making it a versatile and cost effective skid & pump package.

P2 series skids are available in two different pump models, 15mm & 20mm to provide a wide range of pressures and flows up to 20,000 psig.

The P2 pump utilises a common air motor, shuttle valve assembly, hydraulic section housings and check valves and has been designed to be modular using interchangeable inserts, pistons and components permitting the pump to be economically reconfigured to either the 15mm & 20mm model for different pressures and flows within a short period of time.

All P1 series pumps are CE marked, ATEX compliant (94/9/EC) h II 2Gc T5x & NACE compliant as standard and suitable for H2S fluid service.

Skid Overview Standard Sale/Rental Build Unit:

Frame Construction	316 stainless steel 30x30x2mm box section frame, drip tray, four tie down points, Two earth bonding points, 2mm SS control panel with engraved P&ID, SS wheels for ease of moving and added portability.
Pump Selection	CP-P2-15-D, MWP 20,000 psig or CP-P2-20-D MWP 12,000 psig
Air Drive	3/4" NPT SS (F) bulkhead, Norgren series 64 FRL c/w ball valve (start/stop/throttle), Norgren pilot air filter, pneumatic panel mounted stroke counter, Stewart 63mm filled ss panel mounted pressure gauge, 3/4" SS interconnecting fittings.
Fluid Inlet	3/4" NPT SS (F) bulkhead, Hylok 3/4" OD SS isolation valve, 50 mesh SS Y strainer, 3/4" OD (0.065") SS pipework and interconnecting fittings.
Fluid Discharge	9/16" MP SS female bulkhead, Swagelok 9/16" MP SS isolation valve, Hylok 9/16" MP SS non return valve, BIS 3/8" MP SS adjustable PRV, Stewart 100mm SS filled panel mounted pressure gauge, Swagelok 9/16" MP SS vent valve, interconnecting 9/16" MP SS pipework & fittings.
Total Net Weight	122Kg
Maximum Noise Level	95 db

Skid Connection Sizes:

Air Inlet	3/4" NPT (F) Bulkhead
Fluid Inlet	3/4" NPT (F) Bulkhead
Fluid Discharge	9/16" MP (F) Bulkhead
System Vent:	3/8" NPT (F) Bulkhead
PRV Vent:	3/8" NPT (F) Bulk

Pump Performance:

Max Pump Air Supply	100 psig	
Max Pilot Air Supply	100 psig	
Max Air Consumption	180 scfm	
Air Quality Required	Cooled & dry plant air	
Pump Ratio	15mm: 214 - 1	20mm: 120 - 1
Max Discharge Pressure Static	15mm: 20,000 psig	20mm: 12,000 psig
Discharge Volume per Stroke	15mm: 25cc	20mm: 45cc
Max Discharge Flow @ 0 psig	15mm: 6.1 ltr/min	20mm: 11.4 ltr/min

General Arrangement Drawing:

