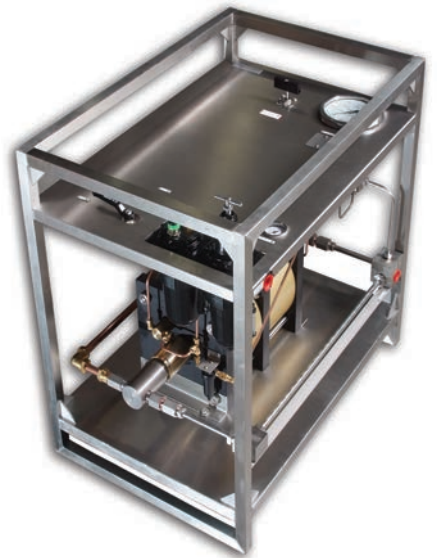




SCOTIA INSTRUMENTATION

the prime source of
instrumentation technology



PUMPS AND GAS BOOSTERS

Scotia has an extensive range of hand and air driven pumps for **Hire** and **Sale**. Manufacturers include **Additel, Blagdon, Combined, Druck, Haskel, Hi-Force, Hydratron, Sarum** and **Staffordshire Hydraulics**.

Features of air driven pumps and boosters

- Infinitely variable output pressure and flow
- Will hold static pressure without generating heat or consuming power
- Require 100psi air supply for max performance (except Haskel AW-150)
- Fitted with air filter, air pressure regulator, air pressure gauge and pump start/stop valve
- 6" (150mm) dia panel mounted output pressure gauge reading PSI and Bar
- Pressure release valve and all interconnecting pipework and fittings
- Stainless steel framework

Manufacturer	Hydraulic Pump Skids	Max WP (psi)	Millilitre/cycle	Air Consumption
Staffordshire Hydraulics / Hydratron	SC10-500- 0.5 or 10-5-005 (AZ 1-10)	1000	42.276	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500- 1 or 10-5-010 (AZ 1-19)	1900	22.678	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500- 2 or 10-5-020 (AZ 1-36)	3625	12.552	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500- 3 or 10-5-030 (AZ 1-58) •	5800	7.603	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500-4 or 10-5-040 (AZ 1-70)	7000	6.292	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500-4.5 or 10-5-045 (AZ 1-86)	8600	5.08	28 scfm
Staffordshire Hydraulic / Hydratron	SC10-500- 6 or 10-5-060 (AZ 1-107)	10700	4.015	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500- 8 or 10-5-080 (AZ 1-140)	14000	3.081	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500-10 or 10-5-100 (AZ 1-187)	18750	2.261	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-500-16 or 10-5-160 (AZ 1-275)	27500	1.573	28 scfm
Staffordshire Hydraulics / Hydratron	SC10-600-030 (AZ 2-60)	6000	24.58	56 scfm
Staffordshire Hydraulics / Hydratron	SC10-600-080 (AZ 2-144)	14400	10.21	56 scfm
Staffordshire Hydraulics / Hydratron	SC10-600-100 (AZ 2-180)	18000	8.029	56 scfm
Hydratron	DA 66*	6625	131.088	120 scfm
Hydratron	DA118*	11854	73.737	120 scfm
Hydratron	DA186*	18670	49.158	120 scfm
Hydratron	DA267*	26800	32.772	120 scfm
Hydratron	DHDA33 (TDA66)* •	6728	255.622	200 scfm
Hydratron	DHDA66(TDA132)* •	13300	131.088	200 scfm
Hydratron	DHDA118(TDA236)* •	23600	73.8	200 scfm
Staffordshire Hydraulics	DA118S*	11800	79.079	160 scfm
Staffordshire Hydraulics	DA177S*	17700	50.633	160 scfm
Staffordshire Hydraulics	DHDA32(TDA63)*	6300	275.285	212 scfm
Staffordshire Hydraulics	DHDA63(TDA125)*	12500	140.92	212 scfm
Combined Pumps	P3 40mm* •	6000	492.27	250 scfm
Combined Pumps	P3 28mm* •	10000	242.53	250 scfm
Combined Pumps	P3 20mm* •	20000	124.5	250 scfm
Haskel	AW-150 •	15000	4.5	28 scfm

All require 100psi air inlet for max WP, except Haskel AW-150 which requires 150psi.

All marked (*) are double acting, therefore one cycle = two strokes

All marked (•) are available as Atex rated



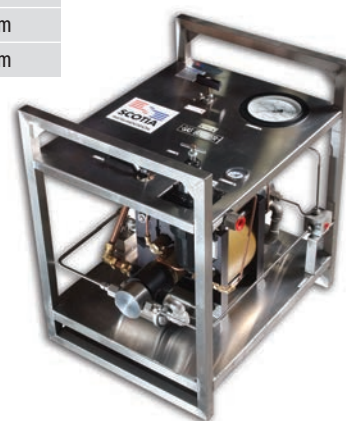
Air Driven Hydraulic Pump Features

- Pressure ranges to 27,500psi
- Standard models are suitable for oil or water applications (Chemical resistant seals optional)
- 100psi air supply for max performance (except Haskel AW-150)

Manufacturer	Gas Intensifier Skids	Max WP (psi)	Gas Inlet Supply (psi)	Millilitre/cycle	Air Consumption
Hydratron	GB36S	3600	300	40.8	56scfm
Hydratron	GB96S	9600	800	15.2	56scfm
Hydratron	GB144S	14400	2400	10.2	56scfm
Hydratron	GB66D	9000	2000	131.1	120scfm
Hydratron	GB118D	14200	2400	73.7	120scfm
Hydratron	GB186D	21000	2400	49.2	120scfm
Staffordshire Hydraulics	Model 3000; Boost ratio 22:1	2200	100	84.9	56scfm
Staffordshire Hydraulics	Model 3000; Boost ratio 96:1	9600	500	15.24	56scfm
Staffordshire Hydraulics	Model 3000; Boost ratio 144:1	14400	500	10.16	56scfm
Staffordshire Hydraulics	Model 3000; Boost ratio 186:1	18600	500	8.03	56scfm
Staffordshire Hydraulics	Model GBT-D30/75	25000	100	50.8	72scfm
Haskel	8AGT-30/60	9000	2500	101.6	75scfm

Gas Booster Features

- Pressure ranges to 25,000psi
- Designed for boosting bottled gases
- Suitable applications include for air, nitrogen, helium, hydrogen, or methane
- Inlet gas filter included
- Atex models safe for hazardous areas (except for hydrogen and methane when booster must be in a safe area)

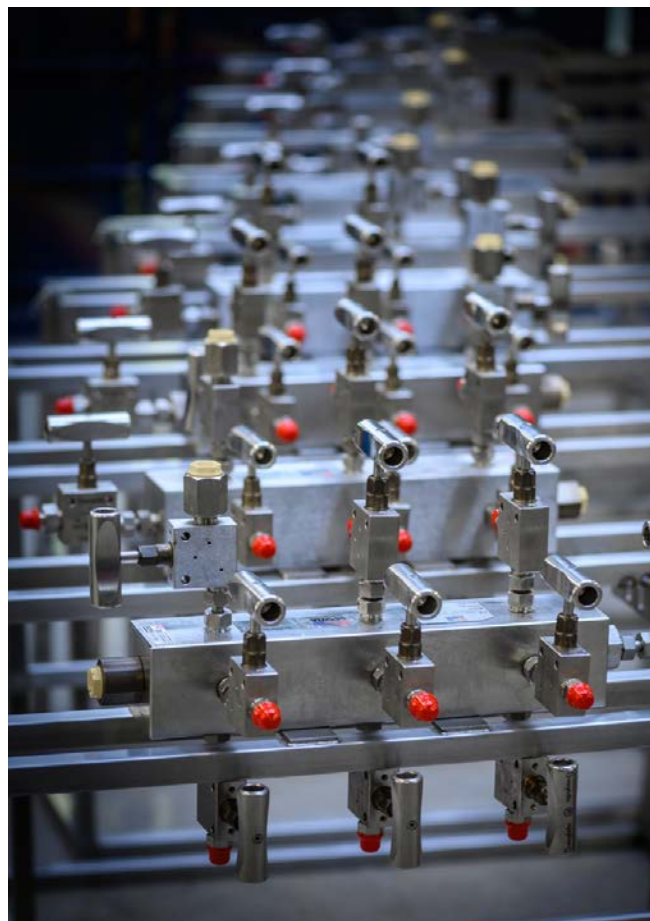
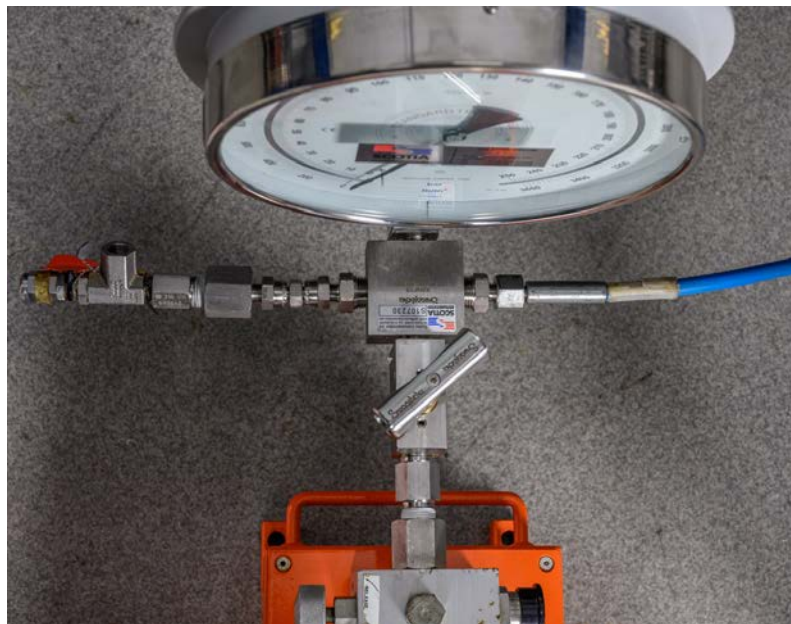


We also supply a full range of mechanical or electronic recording and measuring devices such as the **SDAS**, the **Scotia Instrumentation** designed and built data logging solution.

Fluid Transfer Pumps

Manufacturer	Transfer Pump	Max WP (psi)	Capacity (l/min)	Disp/stk (l)
Blagdon	X25	125	0-180	0.475

Hand Pumps	Type	Max WP (psi)
Additel 920	Pneumatic	3000
GE Druck PV411	Hydraulic	10000
Hi-Force HMP100	Hydraulic	10000
Hi-Force HMP150	Hydraulic	15000



Accessories	Max WP (psi)
LP "A" Frame 5-way	10000
HP "A" Frame 5-way	22500
HP "A" Frame 10-way	22500
HP Manifold	30000
Hand Pump Manifold	10000
Hand Pump Manifold	15000
Hose Assembly - liquid	26100
Hose Assembly - gas	26100
Relief valves set at customer specified pressure	Various
Pump Tank	25 litre



Scotia can supply the complete pressure test, chemical injection, and pressure generation solution. Along with the pump, a complete package may include counters, hoses, manifold, valves, test gauge, prv and mechanical or digital recording equipment. Various adapters are also available on request.

All Scotia rental air-driven pumps are supplied in skids complete with airside controls, air inlet, and high pressure outlet gauges.



SEQual



HEAD OFFICE

Campus 1 ■ Aberdeen Science & Technology Park ■ Balgownie Road ■ Bridge of Don ■ Aberdeen ■ AB22 8GT
Tel +44 (0)1224 222888 ■ Fax +44 (0)1224 826299

NEWCASTLE OFFICE

New York Industrial Estate ■ North Shields ■ Tyne & Wear ■ NE27 0QF
Tel: +44 (0)191 296 3444 ■ Fax: +44 (0)191 296 3555

sale@scotia-instrumentation.com ■ hire@scotia-instrumentation.com ■ repair@scotia-instrumentation.com
www.scotia-instrumentation.com

