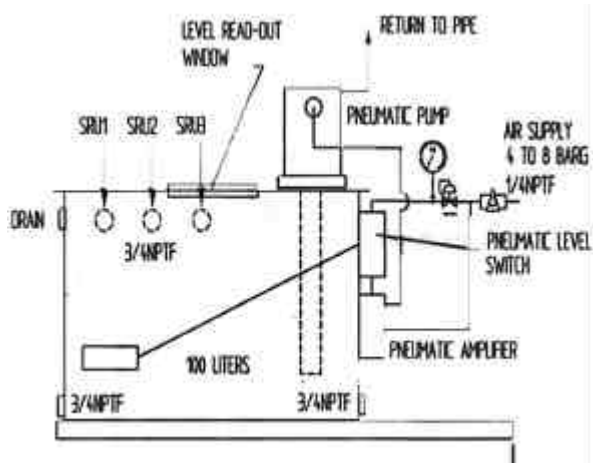


SAMPLE RECOVERY UNIT :

1 – DIAGRAM OF PRINCIPLE :



2 – DESCRIPTIVE :

- 316 SS Tank : 50 L Capacitance
- Capacitance between low and high level switches : 35 L
- 100% Pneumatic Devices : no certification required
- Low high level pneumatic control switches + HHL electrical alarm
- Air control & filtration system included : air supply required 4 to 8 Kg/cm²g
- Analyser effluents collection : 1 inlet + 1 spare 1" NPTF+ Overflow + vent
- Pump specifications :
- Pump Supplier : HYPAC – Technical Brochure enclosed .
- Model : GX05
- Principle : Piston Pump Pneumatic
- Body & flasks : hydrocarbon compatible .
- Motor :Pneumatic : 1.4 to 7 kg/cm²g

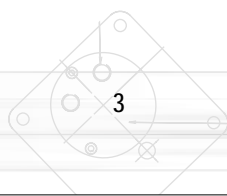
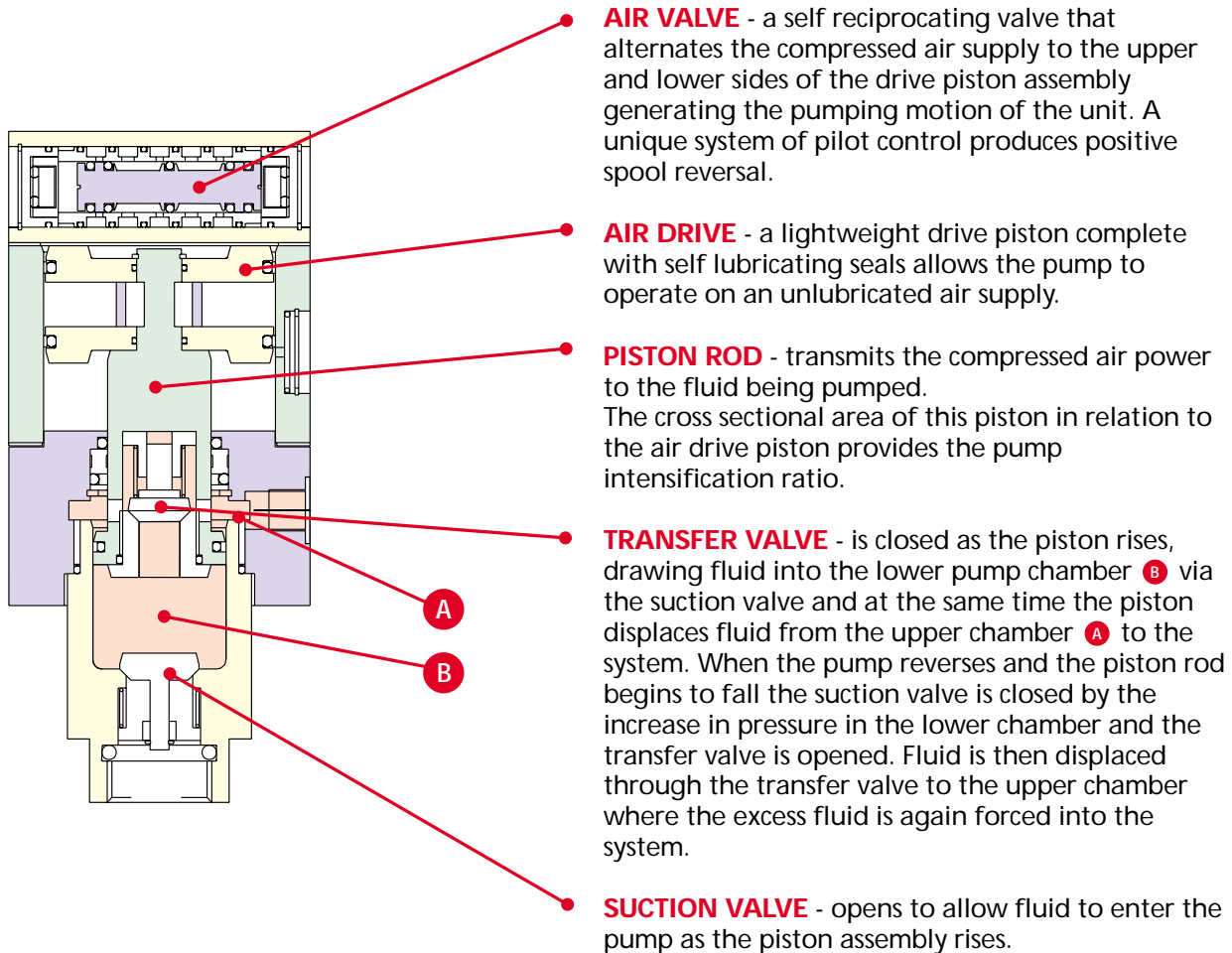
	Operating conditions	Target	Supplied
1	Sample : Hydrocarbon -All samples analysed		
2	Sample take-off pressure :	01.00 mcl	Atm.
3	Process temp. : 25 to 35 °C	60 °C	Max. 120°C
4	Sample outlet pressure : 3.15 Kg/cm ² g	3.15 Kg/cm ² g	Max.30.0kg/cm ²
5	Flow-rate	50 l/h	m ³ /h
6	HMT (Elevation)	31.5 mcl	300.00 mcl
7	NPSH (upstream pressure)	01.00 mcl	Atm.
8	Power supply required : 0.5 Kg/cm ² g for 425 SI/h – 2.5 Kg/cm ² g at outlet or 1.4 kg/cm ² g for 600 SI/h		



Principal Operation

The **HEYPAC** is a **double acting**, free piston, compressed air driven hydraulic pump of **infinitely variable** delivery for general use wherever a compressed air supply is available. The pump will **cycle automatically** according to system demand and stall under **zero flow** conditions with **minimal energy consumption**. The output flow and pressure depend upon the intensification ratio relative to the air supply pressure and volume.

The air operated fluid pumps and hydraulic power packs are currently available with fluid-to-air pressure ratios from 2.5:1 to 80:1. All models employ similar air drives with only the fluid end varying in size to produce the different pressure intensification ratios. Key areas of the pumps construction and operation are described below.



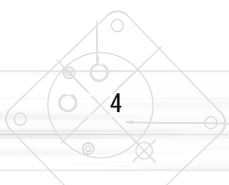
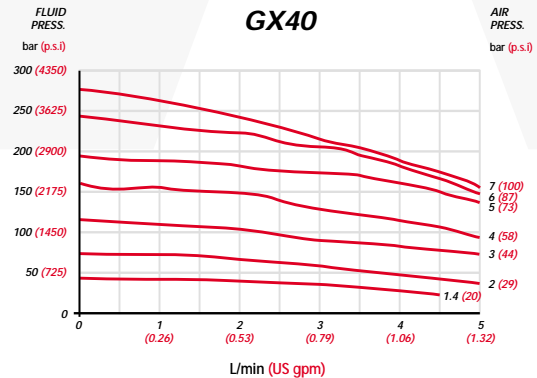
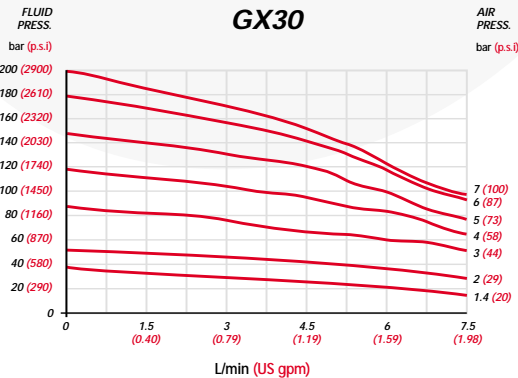
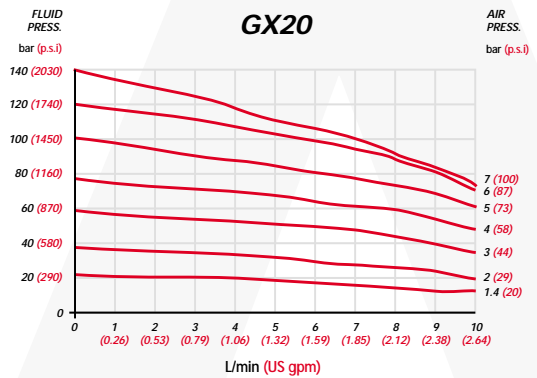
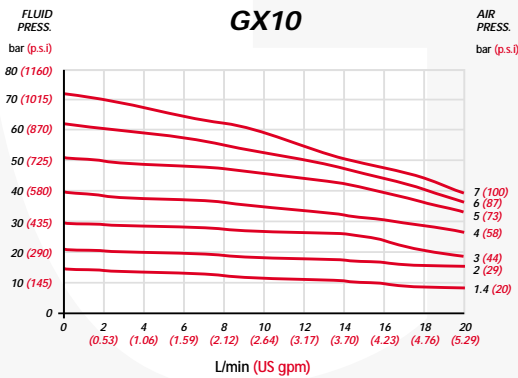
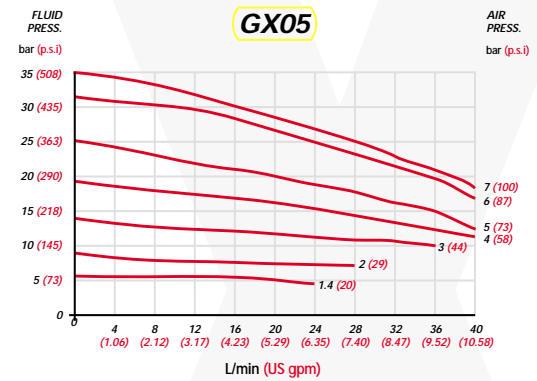
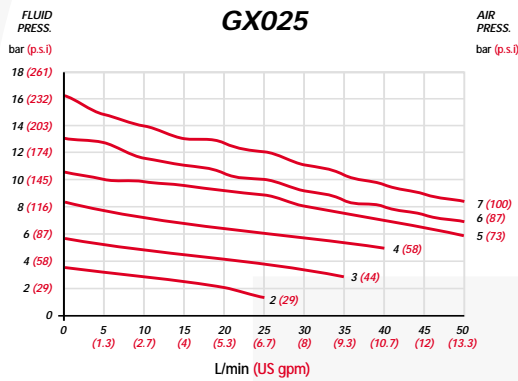
Performance Graphs

GX Range

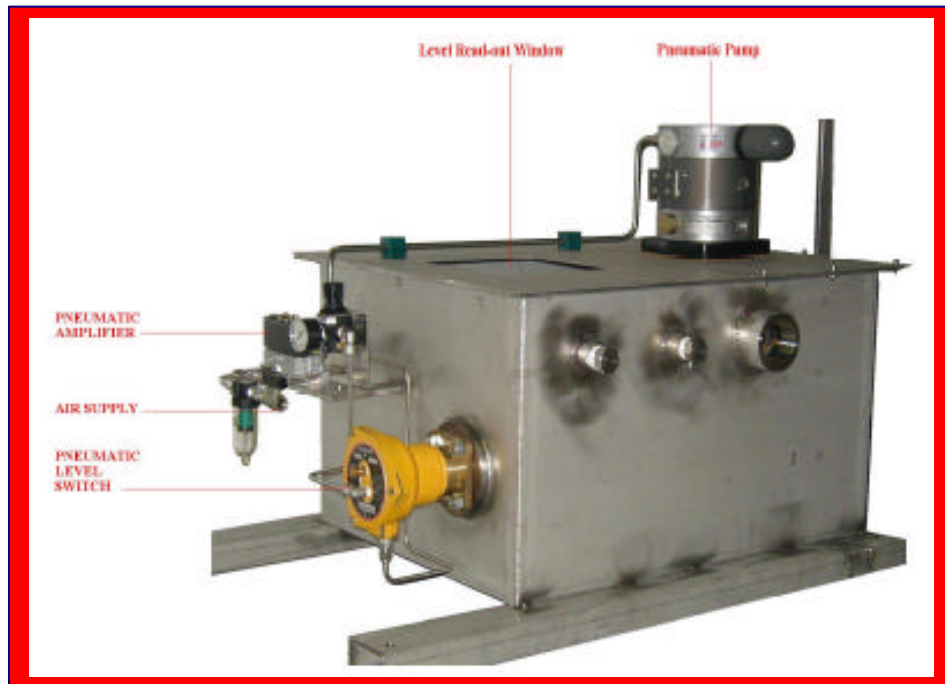


Model	GX025	GX05	GX10	GX20	GX30	GX40	GX60	GX80
Ratio fluid: air	2.5:1	5:1	10:1	20:1	30:1	40:1	60:1	80:1
P max-fluid bar (psi)	17.5 (254)	35 (508)	70 (1015)	140 (2030)	210 (3045)	280 (4060)	420 (6090)	560 (8120)
Q max fluid l.min (US gpm)	80 (21.1)	40 (10.6)	20 (5.3)	10 (2.6)	7.5 (1.98)	5.0 (1.3)	3.8 (1.0)	2.5 (0.66)
Q max avge fluid l.min (US gpm)	22 (5.8)	11 (2.9)	5.5 (1.45)	2.8 (0.74)	2.1 (0.55)	1.4 (0.37)	1.0 (0.26)	0.7 (0.18)

* For definitions of Q Max and Q Max avge see 'Technical Data' section on page 7.



Sample Recovery Unit View



SRU 100 L



SRU 50 L