



HIGH PRESSURE CYLINDERS FILLING SYSTEM HP 40 / 80

HP40 / 80 are high pressure cylinders filling systems manufactured by OXYPLUS TECHNOLOGIES, French specialist of compressed air and gas since 1977. Designed to fill oxygen cylinders at a pressure of 150 bar, HP 40 / 80 deliver a flow of 4 or 8 m³/h. They feature an intelligent control system ensuring a fully automatic operation and maintenance plan management.

Key features:

- Oil free high pressure HP booster
- Fully automatic
- Flow : up to 4 or up to 8m³/h
- Filling pressure : 150 bar
- Wall or skid mounted cylinders filling manifold
- Pressure reducer for hospital piping network supply
- Set of flexible hoses with NF, BS or DIN connection (other standards available upon request)
- Low noise level
- Optimized air cooling system with aluminum fins

Benefits:

- Full autonomy : designed to fill back up and mobile cylinders on site
- Long service life (low RPM)
- Heavy duty design for continuous operation (24h/7)



HP 40 / 80

High pressure oxygen compressor

Fill your own oxygen cylinder for full autonomy

Oxyplus Technologies HP40/80 high pressure cylinder filling system comprises an oxygen compressor filling cylinders up to 150 bar at a flow able to reach 4 or 8m³/h.

They come with 3 flexible hoses and 1 rack as standard and can be completed with cylinders and additional hoses & racks upon request.

CPU controller intelligent monitoring system



Aluminum fins for optimal cooling

Automatic monitoring

HP 40 / 80 are the first oxygen compressors on market to incorporate an intelligent control system developed by Oxyplus Technologies, the CPU Controller. Based on a PLC system comprising a logic controller, the CPU features a digital screen and provides :

- Hour meter
- Alarm logging
- Automatic shut-off & restart
- Safety controls
- Multi language interface
- Remote monitoring capabilities



Available additional equipment

- Automatic change-over system
- Cylinders and cylinders racks or bundles
- BS, DIN, CGA connections (other standards available upon request)
- Additional HP flexible hoses
- Preventative maintenance kits
- PSA oxygen generator
- Manifolds
- Fully containerized plant

Technical Datas

Models	HP 40	HP 80
Discharge pressure (max)	150 bar / 2200 psig	
Flow	up to 4 Nm ³ /h 141 SCFH	up to 8 Nm ³ /h 282 SCFH
Suction pressure	2 to 5 bar / 30-70 psig	
Electrical supply ¹	190 to 460V, 3 phases, 50-60Hz	
Power	2.2 kW / 2.95 HP	2 x 2.2 kW / 2 x 2.95 HP
Filling time per cylinder ²	112 min	56 min
Daily filing capacity ³	13	26
Oxygen inlet & outlet ⁴	1/4 " G	
Cooling	Air cooled	
Dimensions	950 x 600 x 900 mm	950 x 1200 x 900 mm
Weight	160 kg	320 kg

¹ Required electrical supply to be specified on order

² Cylinders not included

³ 50l cylinders, coupled with an Oxyplus oxygen generator

⁴ NPT available upon request