



RECIPROCATING PUMPS

SERIES HPH

for **INDUSTRIAL GASES**

Technical features

- ▶ Low operating noise
- ▶ High reliability
- ▶ Easy maintenance

Applications

- ▶ Cylinders filling and high pressure accumulation capacities

Liquids transferred

- ▶ LCO₂, LN₂O

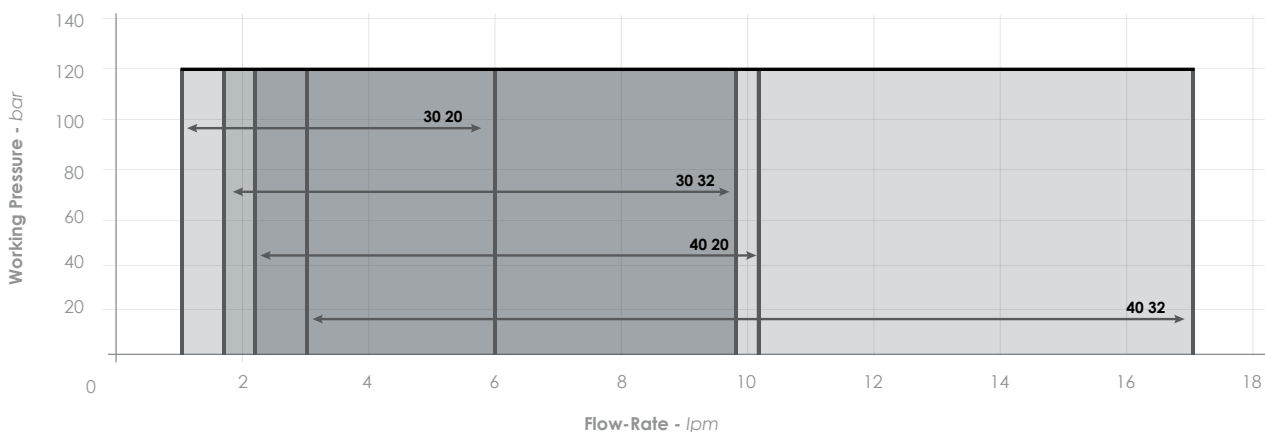
Crank mechanism

- ▶ TW3 - Grease Lubrication

PERFORMANCE

HPH TW3A	Piston		Flow-rate						Maximum allowable suction pressure (MASP)		Maximum allowable working pressure (MAWP)		Power installed
	Bore	Stroke	Min 100 rpm			Max 500 rpm			bar	psi	bar	psi	Referred to MAWP
Series pump	mm	mm	lpm	CO ₂ Kgph	NO ₂ Kgph	lpm	CO ₂ Kgph	NO ₂ Kgph	bar	psi	bar	psi	kW
HPH 30 20	30	20	1,2	76	89	6	378	440	30	435	120	1740	1,1 - 4
HPH 30 32	30	32	1,9	120	140	9,6	605	704	30	435	120	1740	1,1 - 5,5
HPH 40 20	40	20	2,1	135	157	10,7	674	785	30	435	120	1740	1,1 - 5,5
HPH 40 32	40	32	3,4	214	249	17,1	1077	1255	30	435	120	1740	2,2 - 9

NPSH required: 1 - 1,5 m H₂O



Standard supply

- ▶ Hydro pneumatic accumulator
- ▶ Hot dipped galvanized steel skid
- ▶ Cryogenic pump
- ▶ Electric motor
- ▶ Transmission by belts and pulleys

Standard accessories

- ▶ Low pressure safety valve
- ▶ Inox filter
- ▶ Manual vent valve
- ▶ Suction flexible hose

Optional accessories

- ▶ Electrical control panel
- ▶ 2 speed electric motor
- ▶ Motor suitable for VFD

Average SKID weight:

280 kg

Package overall dimensions

196 x 63 x 55 cm

Tests and checks

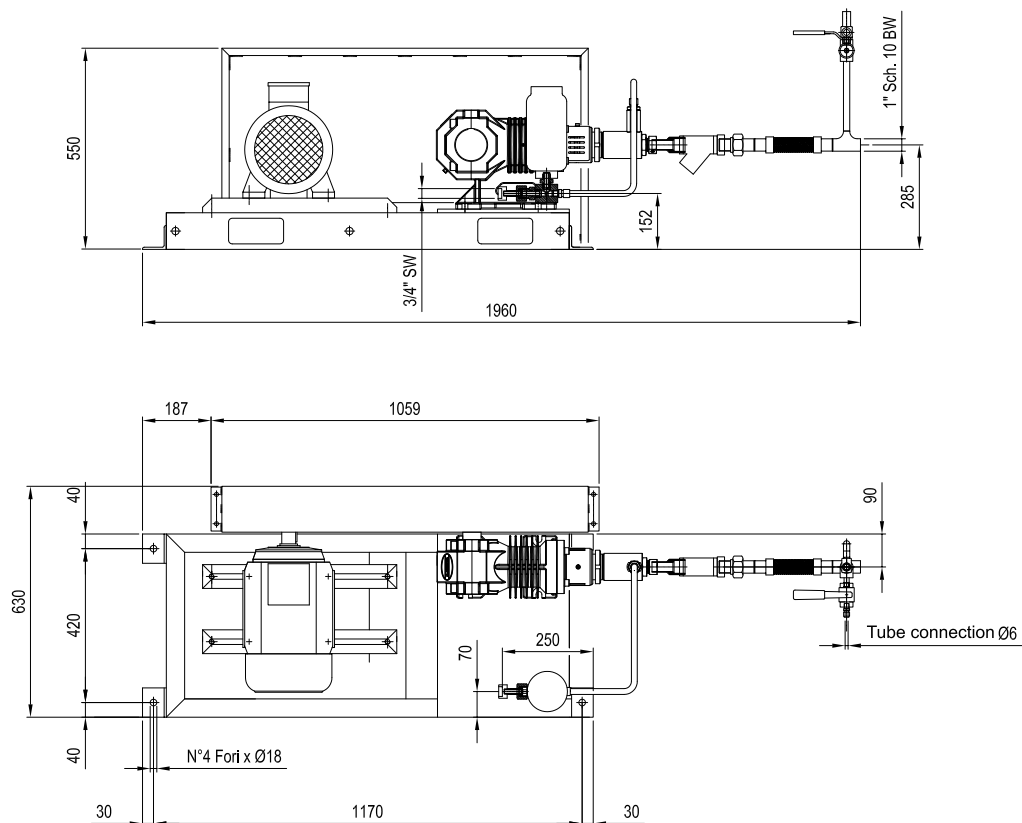
- ▶ Dimensional check of each mechanical component before assembling

Standards

Designed according to:

- ▶ European Directive 2006/42/CE Machinery
- ▶ European Directive PED 97/23/CE
- ▶ EIGA/IGC/CGA guidelines

GENERAL DIMENSIONS



Certified quality management system

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