

## Fact Sheet

### High pressure oxygen compressor solution

Electro-pneumatic high pressure booster solution for compression of pure oxygen up to 300 barg.

The combination of an oil-free, dry-running HAUG compressor and a pneumatic gas booster results in a system solution at the highest level. It is designed for the most demanding applications, also in medical technology and for medical oxygen. The solution is supplied as a turnkey unit and is immediately ready for connection to the oxygen supply. Only a power and compressed air supply is required.

#### Applications:

- Filling of high pressure storage cylinders downstream of new oxygen generators
- Upgrading of existing oxygen generators
- Oxygen transfer of residual quantities from storage cylinders

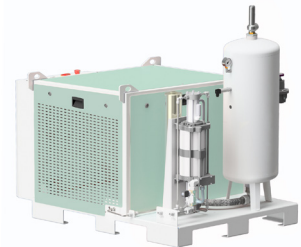
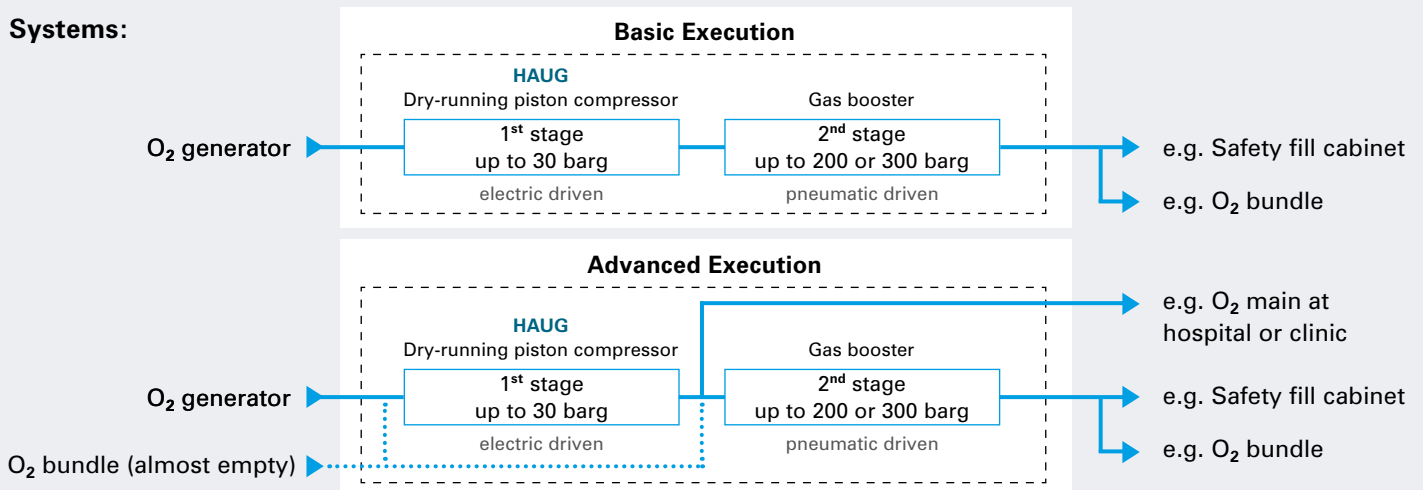


Illustration similar.

#### Systems:



#### Technical data:

Suction pressure P <sub>1</sub> :	#	Flow Q <sub>1</sub> :		Charging capacity [cylinders per day]			Approx. power consumption		
				10 l @ 200 barg	50 l @ 200 barg	50 l @ 300 barg	electric	pneumatic <sup>2</sup>	
								@ 200 barg	@ 300 barg
3,0 barg	1	187 NI/min	11,2 Nm <sup>3</sup> /h	≤ 141	≤ 28	≤ 19	≤ 3,7 kW/h	≤ 1,3 Nm <sup>3</sup> /min	≤ 1,5 Nm <sup>3</sup> /min
	2	350 NI/min	21,0 Nm <sup>3</sup> /h	≤ 265	≤ 53	≤ 35	≤ 4,6 kW/h	≤ 2,4 Nm <sup>3</sup> /min	≤ 2,7 Nm <sup>3</sup> /min
3,5 barg	3	213 NI/min	12,8 Nm <sup>3</sup> /h	≤ 161	≤ 32	≤ 21	≤ 3,8 kW/h	≤ 1,5 Nm <sup>3</sup> /min	≤ 1,7 Nm <sup>3</sup> /min
	4	398 NI/min	23,9 Nm <sup>3</sup> /h	≤ 301	≤ 60	≤ 40	≤ 4,6 kW/h	≤ 2,7 Nm <sup>3</sup> /min	≤ 3,1 Nm <sup>3</sup> /min
4,0 barg	5	247 NI/min	14,8 Nm <sup>3</sup> /h	≤ 187	≤ 37	≤ 25	≤ 3,8 kW/h	≤ 1,7 Nm <sup>3</sup> /min	≤ 1,9 Nm <sup>3</sup> /min
	6	458 NI/min	27,5 Nm <sup>3</sup> /h	≤ 346	≤ 69	≤ 46	≤ 4,9 kW/h	≤ 3,1 Nm <sup>3</sup> /min	≤ 3,5 Nm <sup>3</sup> /min
4,5 barg	7	275 NI/min	16,5 Nm <sup>3</sup> /h	≤ 208	≤ 42	≤ 28	≤ 3,9 kW/h	≤ 1,9 Nm <sup>3</sup> /min	≤ 2,1 Nm <sup>3</sup> /min
	8	507 NI/min	30,4 Nm <sup>3</sup> /h	≤ 383	≤ 77	≤ 51	≤ 5,0 kW/h	≤ 3,4 Nm <sup>3</sup> /min	≤ 3,9 Nm <sup>3</sup> /min
5,0 barg	9	302 NI/min	18,1 Nm <sup>3</sup> /h	≤ 228	≤ 46	≤ 30	≤ 3,9 kW/h	≤ 2,0 Nm <sup>3</sup> /min	≤ 2,3 Nm <sup>3</sup> /min
	10	557 NI/min	33,4 Nm <sup>3</sup> /h	≤ 421	≤ 84	≤ 56	≤ 5,0 kW/h	≤ 3,7 Nm <sup>3</sup> /min	≤ 4,3 Nm <sup>3</sup> /min

1) Referring to 1,013 mbara and 0°C, at max. 35°C suction temperature at max. 35°C ambient temperature

2) Air supply: approx. 6 barg, e.g. supplied by PSA's feedair compressor

**Dependable up to 500 bar – anywhere, anytime, anygas.**

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