

Technical Date Sheet Moder-GB05T/options



GB05T-GB08T

have exhaust cooling function.

GB05T SERIES DOUBLE STAGE

- ✧ GB series gas booster pump is made of aluminum alloy and stainless steel.
- ✧ 17-4PH, 15-5PH, 440C, nickel-based alloy, Harrington alloy and other materials can be used to meet special media .
- ✧ All seals are imported products and the maximum driving pressure is 8.3Bar.
- ✧ GB series of gas booster pump piston diameter is 160mm , driving gas inlet is G1/2" and driving pressure is less than 8.3Bar.
- ✧ The pump heads of GB25,GB40,GB60 and GB100 high pressure all

- ✧ It is mainly used in various occasions where the pressure of gas source is high, the pressure of output is high and the flow rate is not required.
- ✧ Some models can be used for pressurizing special gases or vacuum pumping.

Performance Data

Pa is driving pressure Pi is input pressure Po is output pressure

The boost ration is 5:1

Piston / rod diameter: 80 MM

The minimum pressure is 1.7Bar

The maximum pressure is 41.5Bar

Outlet gas pressure calculation $4P_a + P_i$

Gas inlet and outlet is NPT1/2"

The maximum flow standard is 572@Pi=7

Seal Material

Main Seals polyurethane , NBR

Check Valve Seals HNBR

Construction

Air Motor Anodised Aluminium / Nitrile (Buna-N) Seals

Gas Cylinder	6061
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Piston	Aluminium Bronze / Chrome Finish
Check Valves	Stainless Steel
Pilot Air Valves	Hardcoat Anodised Aluminium / POM Internals / Nitrile (Buna-N) Seals / Copper Silencer
L1** (Standard)	High pressure 316SS body & Plated Steel Fasteners
L2** (Optional)	17-4PH,HC276 & 316L Fasteners

Connections

Gas Inlet	1/2"BSPT(F)
Gas Outlet	1/2" BSPT(F)
Air Inlet	3/4" BSPT(F)
(Optional)Pilot Air Supply	1/8"BSPP(F)
Net Weight	19KG

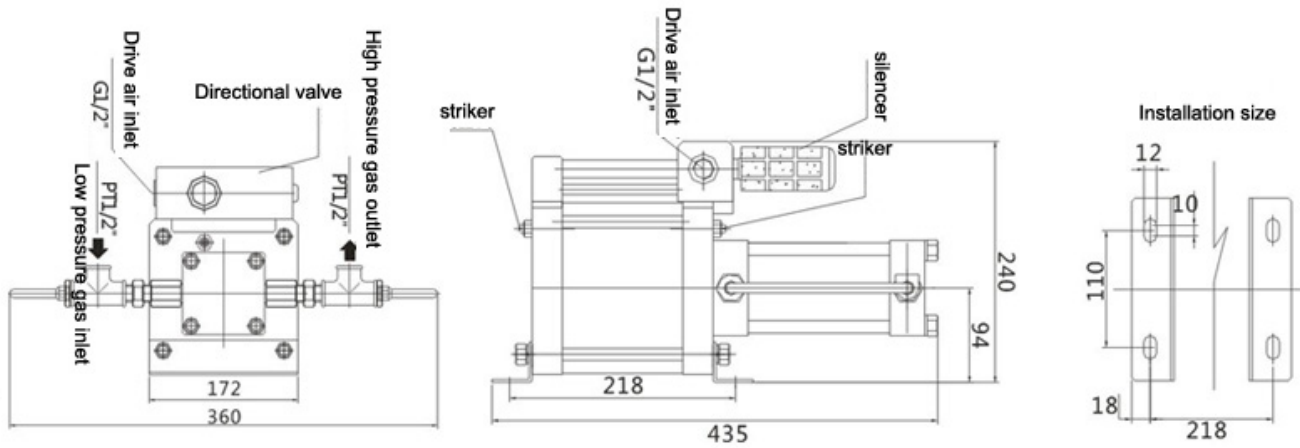
Common options (but not limited to)

/B	ATEX (94/9/EC) II 2GD c T5
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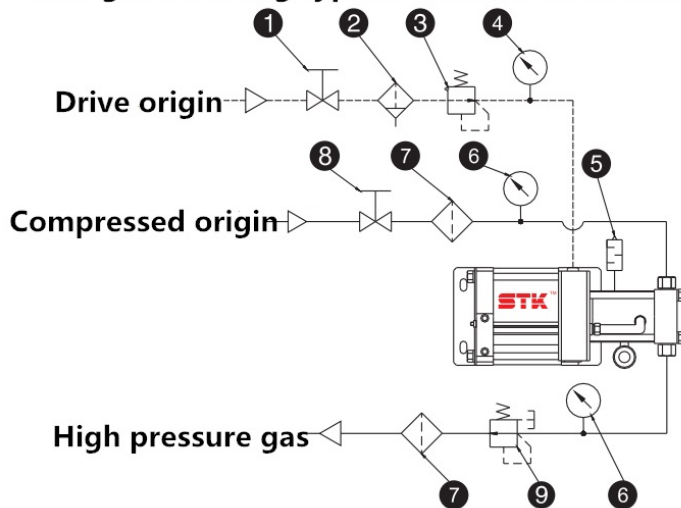


Ultra high pressure pump & valve Professional Manufacturer

General Layout Drawing Model – G B 0 5 T **/options



GB series gas boosting typical installation circuit diagram



The numbers are explained below

- ① Drive origin switch
- ② Air filter
- ③ Regulating valve
- ④ Air pressure gauge
- ⑤ Filter
- ⑥ Pressure gauge
- ⑦ Precision filter
- ⑧ Needle valve
- ⑨ Relief valve