



**MARUTI<sup>TM</sup>**  
**PNEUMATICS**  
Quality Meets Excellence

Quality | Efficiency | Reliability

**HYDRAULIC GAS BOOSTER**



**MARUTI<sup>TM</sup>**  
**PNEUMATICS**

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HYDRAULIC DRIVEN  
GAS BOOSTER



PRODUCT CATALOGUE

2023-2024

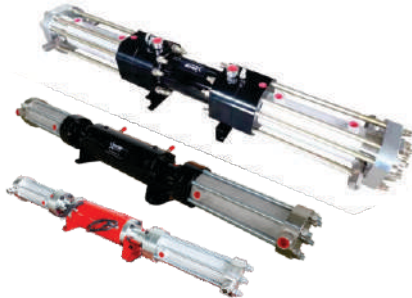


Hydraulic Driven Gas Booster



Features ::

- Suitable For Hydrogen, Natural Gas And Inert Gas (Nitrogen, Helium, Argon, etc.)
- Max Gas Outlet Pressure: 15000psi/1035bar (Hydrogen), 30000psi/2068bar (inert Gas)
- Max Gas Outlet Flow rate: 600nm3/h
- Compact Design With Small Space For Installation
- Convenient For Maintenance, Repair And Seals Replacement
- Distance Between Hydraulic Section And Gas Section, Oil Free Lubrication, Protecting The Gas From Contamination
- Built-in Cooling System To Ensure Outlet Gas Temperature Not Too High
- Atex Compliance



Overview ::

**MARUTI PNEUMATICS** Hydraulic Driven Gas Booster Compressors Are Massively Applied In Hydrogen Refueling Stations, Pure Gas Compression, Semi-conduct Industries And Able To Meet The Customers’ Request For High Pressure & High Flow Gas Output.

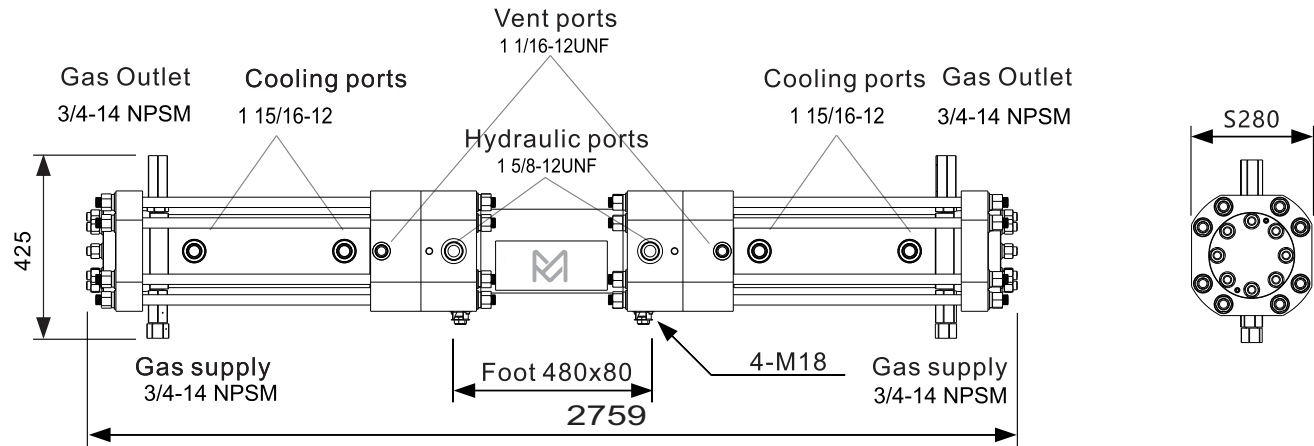
Driven By The Hydraulic Station Powered Up To 248bar, The Cycling Speed Of The Gas Boosters Can Be Adjusted To Achieve The Gas Outlet Flow Rate On Request. Also, The Capacity For The Cooling Water Is Adjustable According To Different Gas Outlet Pressure And Flow Requirements. Hydraulic Driven Boosters Have Space-saving Design And Multiple Gas Boosters Can Be Arranged In Stages To Work When Higher Pressure And Larger Flow Rate Are Needed. Apart From That, They’re Easy And Quick To Maintain. The Seals Can Be Replaced Regularly To Pro-long Gas Booster Working Life. The Seals Replacement Can Be Done On The Site, Not To Impact The Production For Long, Thus Helping Customers To Reduce The Maintenance Costs.

CDGB150 Series Specification ::

Model Code	Type	Min Gas Inlet	Max Gas Inlet	Max Gas Outlet	Gas Outlet Formula	Displacement Per Cycle	Gas Piston Diameter	Gas Inlet & Outlet
CDGB150-50	Double acting	20Bar	1379Bar	1379Bar	5.93Ph+Ps	1280ml	57.1mm	MF12
CDGB150-63	Double acting	7Bar	1034Bar	1034Bar	4.87Ph+Ps	1558ml	63mm	MF12
CDGB150-90	Double acting	7Bar	620Bar	690Bar	2.39Ph+Ps	3179ml	90mm	MF12
CDGB150-150	Double acting	4.8Bar	310Bar	310Bar	0.86Ph+Ps	8831ml	150mm	Mf12

**Note:**  
Ph=hydraulic drive pressure, Ps= gas inlet pressure, MF12=3/4”MP Female  
Recommended max cycle speed 20cpm

Dimensions and Connections  
Double Acting Type



Hydraulic Driven Gas Booster

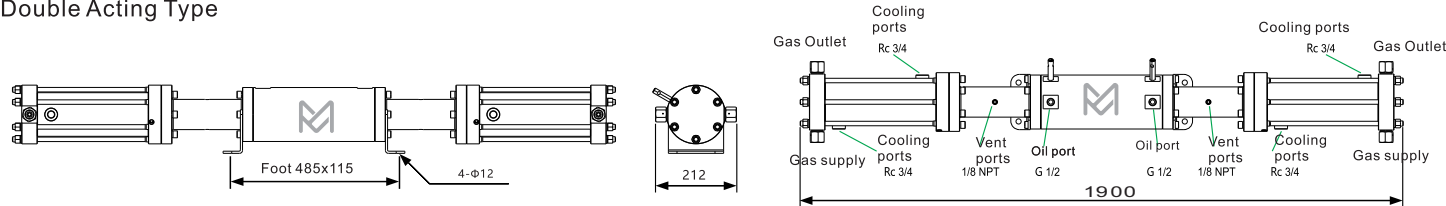


CDGB100 Series Specification ::

Model Code	Type	Min Gas Inlet	Max Gas Inlet	Max Gas Outlet	Gas Outlet Formula	Displacement Per Cycle	Gas Piston Dia	Gas Inlet& Outlet
CDGB100-36	Double acting	13.8 Bar	1379 Bar	1379 Bar	6.7Ph+Ps	509 ml	36 mm	MF9
CDGB100-42	Double acting	13.8 Bar	1034 Bar	1034 Bar	4.76Ph+Ps	692 ml	42 mm	MF9
CDGB100-55	Double acting	7 Bar	700 Bar	700 Bar	2.78Ph+Ps	1187 ml	55 mm	MF9
CDGB100-63	Double acting	7 Bar	517 Bar	517 Bar	2.1Ph+Ps	1558 ml	63 mm	MF9
CDGB100-90	Double acting	7 Bar	344 Bar	344 Bar	1.04Ph+Ps	3197 ml	90 mm	MF9
CDGB100-150	Double acting	3.5 Bar	172 Bar	172 Bar	0.37Ph+Ps	8831 ml	150 mm	MF9

**Note :**  
Ph=hydraulic drive pressure, Ps= gas inlet pressure, MF9=9/16”MP Female  
Recommend max cycle speed 30cpm

Dimensions and Connections  
Double Acting Type



CDGB80 Series Specification ::

Model Code	Type	Min Gas Inlet	Max Gas Inlet	Max Gas Outlet	Gas Outlet Formula	Displacement Per Cycle	Gas Piston Diameter	Gas Inlet& Outlet
CDGB80-28	Double acting	21Bar	1379Bar	1379Bar	7 37Ph+Ps	210ml	28mm	MF9
CDGB80-40	Double acting	14Bar	1034Bar	1034Bar	3 61Ph+Ps	425ml	40mm	MF 9
CDGB80-55	Double acting	14Bar	448Bar	448Bar	1 91Ph+Ps	808ml	55mm	MF9
CDGB80-63	Double acting	7Bar	345Bar	345Bar	1 46Ph+Ps	1059ml	63mm	MF9
CDGB80-90	Double acting	7Bar	207Bar	207Bar	0 71Ph+Ps	2162ml	90mm	MF9
CDGB80-150	Double acting	35Bar	103Bar	103Bar	0 25Ph+Ps	6005ml	150mm	MF9

**Note:**  
Ph=hydraulic drive pressure, Ps= gas inlet pressure, MF9=9/16”MP Female  
Recommended max cycle speed 30cpm

Dimensions and Connections  
Double Acting Type

