

NO.1 The leading manufacturer in High pressure pump

High pressure pump&booster

PUMSTER



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PRODUCT

GASBOOSTERS
LIQUID PUMPS
METERING PUMPS
PRESSURE TESTING



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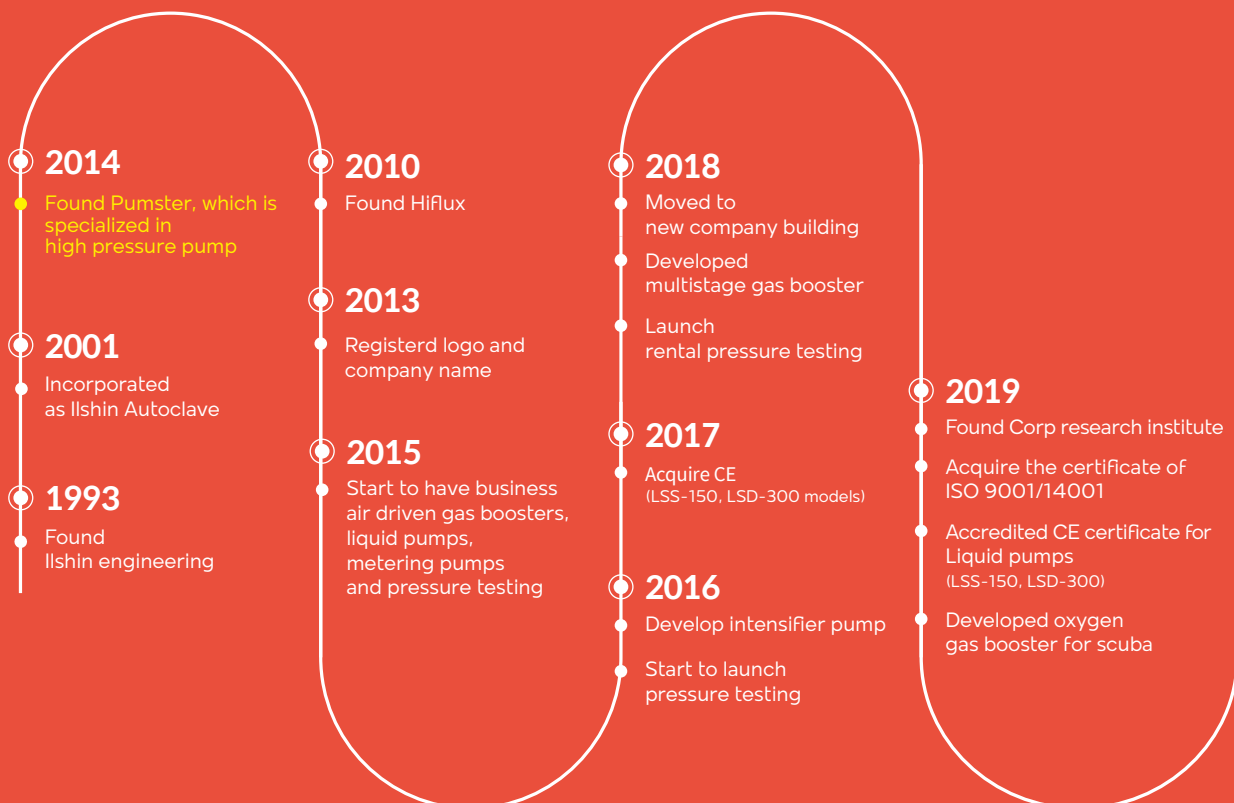
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THE LEADING MANUFACTURER IN HIGH PRESSURE PUMP

As a subsidiary of ILSHIN AUTOCLAVE, accumulated in the technology and experience of high temperature and high pressure for 20 years, PUMSTER has accumulated abundant experiences related to gas booster, liquid pump, metering pump, pressure tester, EPC (Engineering, Procurement & Construction) is the best company in Korea.

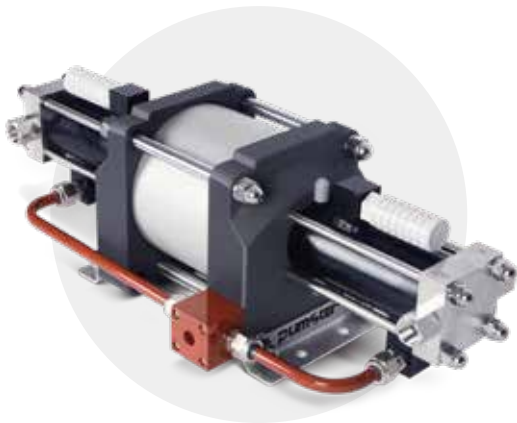
All of our employees will make efforts to become a company that is faithful to the satisfaction of our customers so that we can feel the value of our own by using only Pumpster products.

COMPANY HISTORY



MAIN PRODUCTS

Pumster has specialized in high pressure pumps, which has manufactured air driven gas boosters and liquid pumps, metering pumps and pressure testing.



Gas Boosters

It is for compressing or increasing gas such industrial gas (Nitrogen, Carbon dioxide, Helium, Methane).



Liquid Pumps

It is for transferring or increasing liquid.



Metering Pumps

Metering pumps, which are reciprocating positive displacement pumps, provide the greatest possible metering accuracy.



Pressure testing

It is order-made products which is suitable for internal/external pressure, leakage, bursting and fatigue by controlling low and high pressure.

GASBOOSTER SERIES

Pumster Air driven gas boosters are suitable for explosion proof area.
Pumster air driven gas boosters work on the principle of Pascal's law by the difference of compression ratio.



HOW IT WORKS

Pneumatic operation
by applying Pascal's Law

Based on Pascal's law, air driven **GAS BOOSTER** is increasing the pressure by the compression ratio. Air pressure makes the plunger to reciprocate. With repeated reciprocating of the plunger, it discharges and increases the gas to **out-check** after **compressing the gas through in-check**.

Features of Gas Booster



Applied in industrial gas and special gas such as Argon, Helium, Nitrogen, Oxygen etc.,



Stay cool when working hard due to a cooling jacket



No requirement for electricity



Oil free, no requirement for oil replacement, contamination



Suitable for explosion proof area



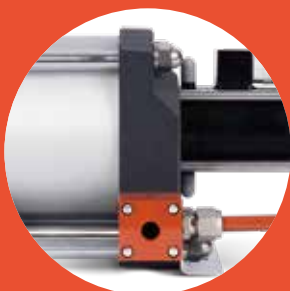
Available as a complete packaged system



GB-SS SERIES

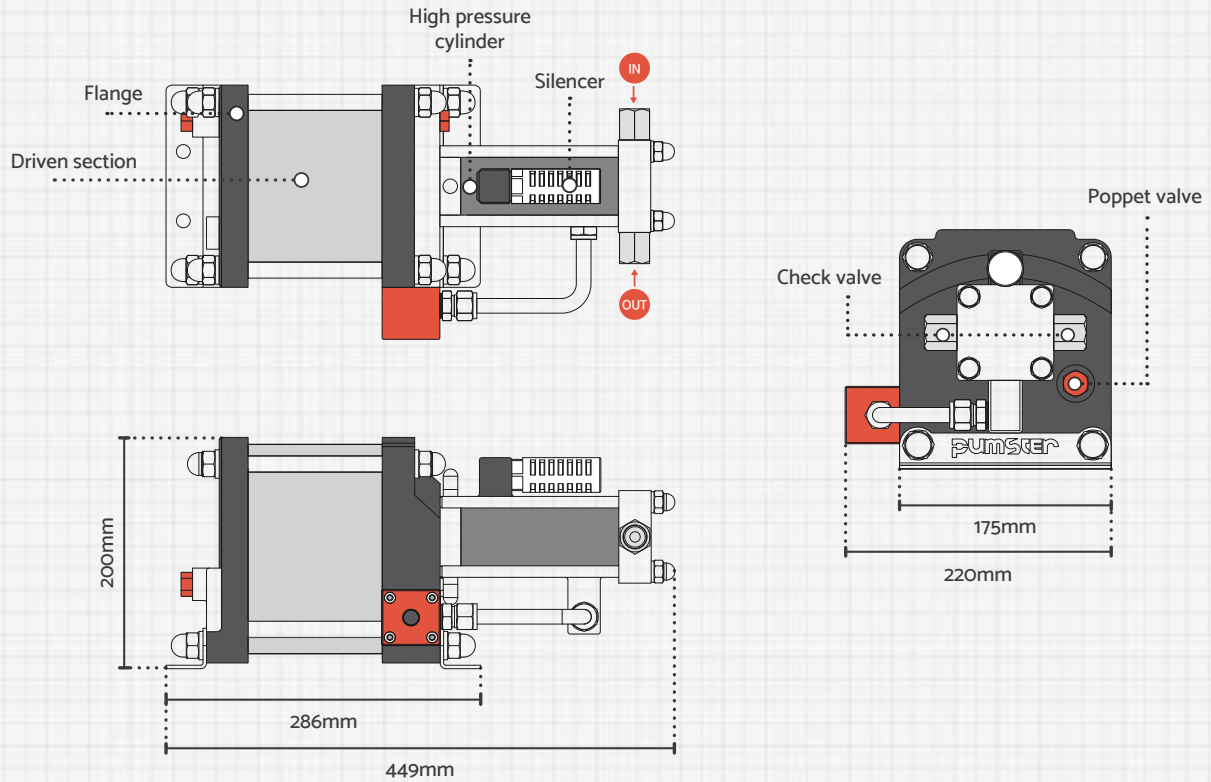
Single stage & Single driven

Gas Booster GB-SS is consists of single stage and single driven part.
There are 5 types depending on compression ratio.
(compression ratio: 1:7 / 14 / 30 / 50 / 75)



GB-SS

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

GB-SS

SPECIFICATION

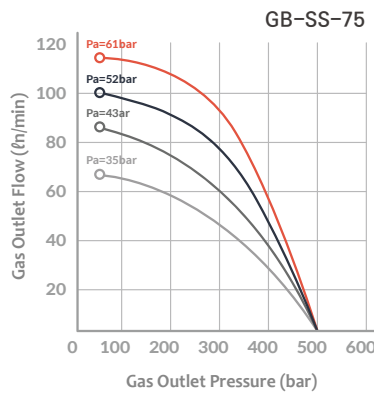
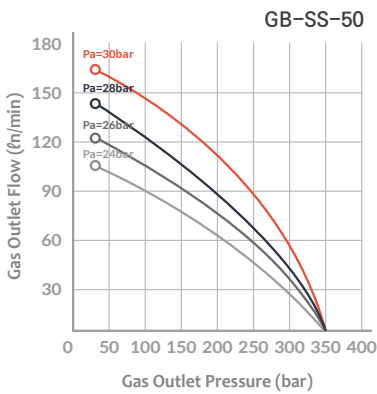
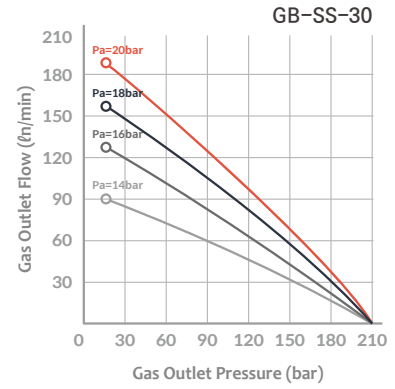
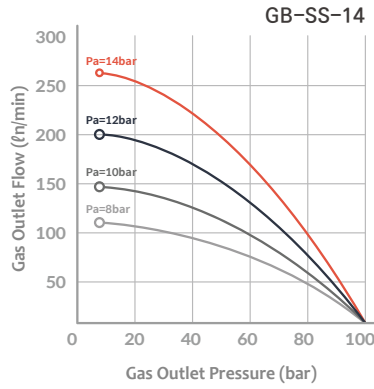
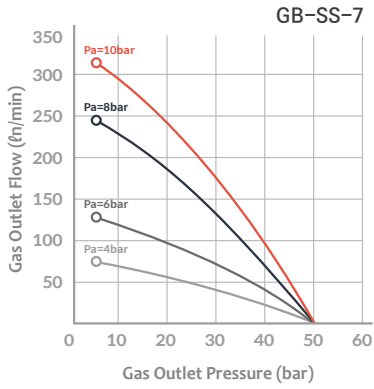
※ Actual weight could be slightly different.

※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)

※ M.P is calculated with 7 bar(standardized air pressure).

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Min.Suction Pressure(kg/cm ²)	Connections		Flow rate (ℓn / min)	Weight (kg)
					Inlet	Outlet		
SS-7	1 : 7	5~10	49	4	1/2" PT	1/2" PT	555	16
SS-14	1 : 14		98	7			600	16
SS-30	1 : 30		210	14			564	17
SS-50	1 : 50		350	21	9/16" 18UNF	9/16" 18 UNF	494	18
SS-75	1 : 75		525	35			370	18

GB-SS PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

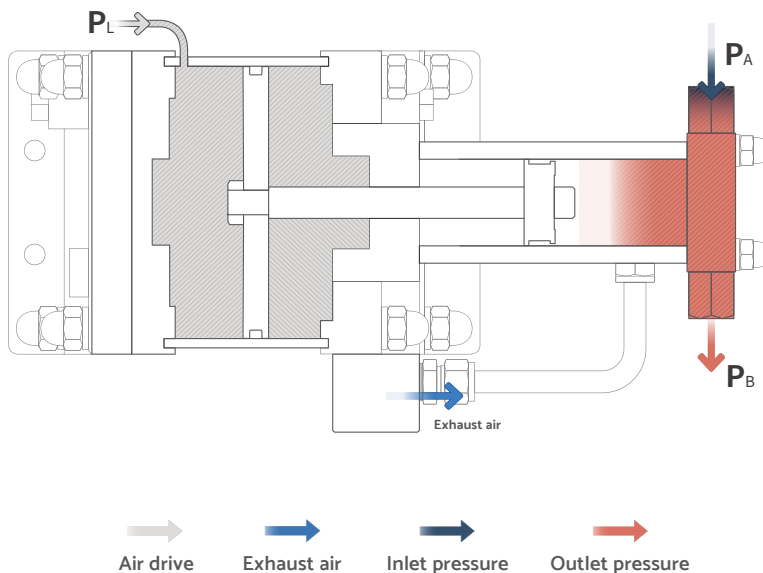
* Outlet pressure (Pb) = I-PI
 (Outlet Pressure = Compression ratio · Air drive)

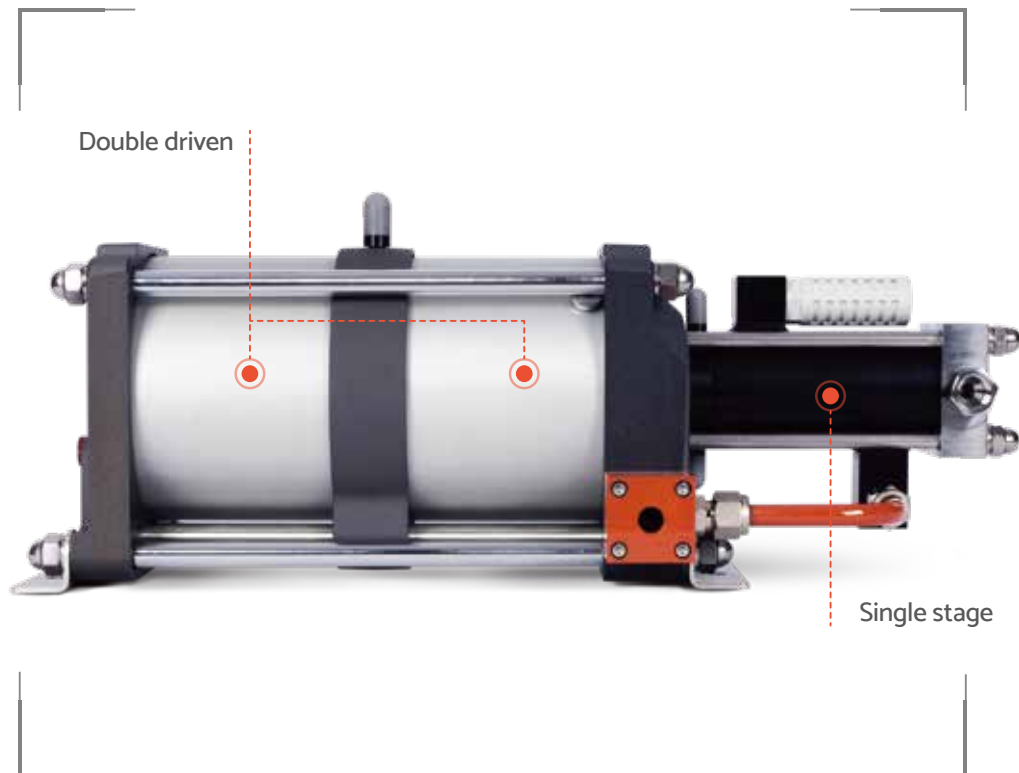
Precautions

- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow gas pressure, feed rate
- Actual flow rate will be different depending on utility.

GB-SS OVERVIEW

PL - Air drive
 PA - Suction gas
 PB - Discharging gas

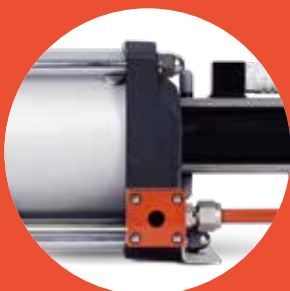




GB-SD SERIES

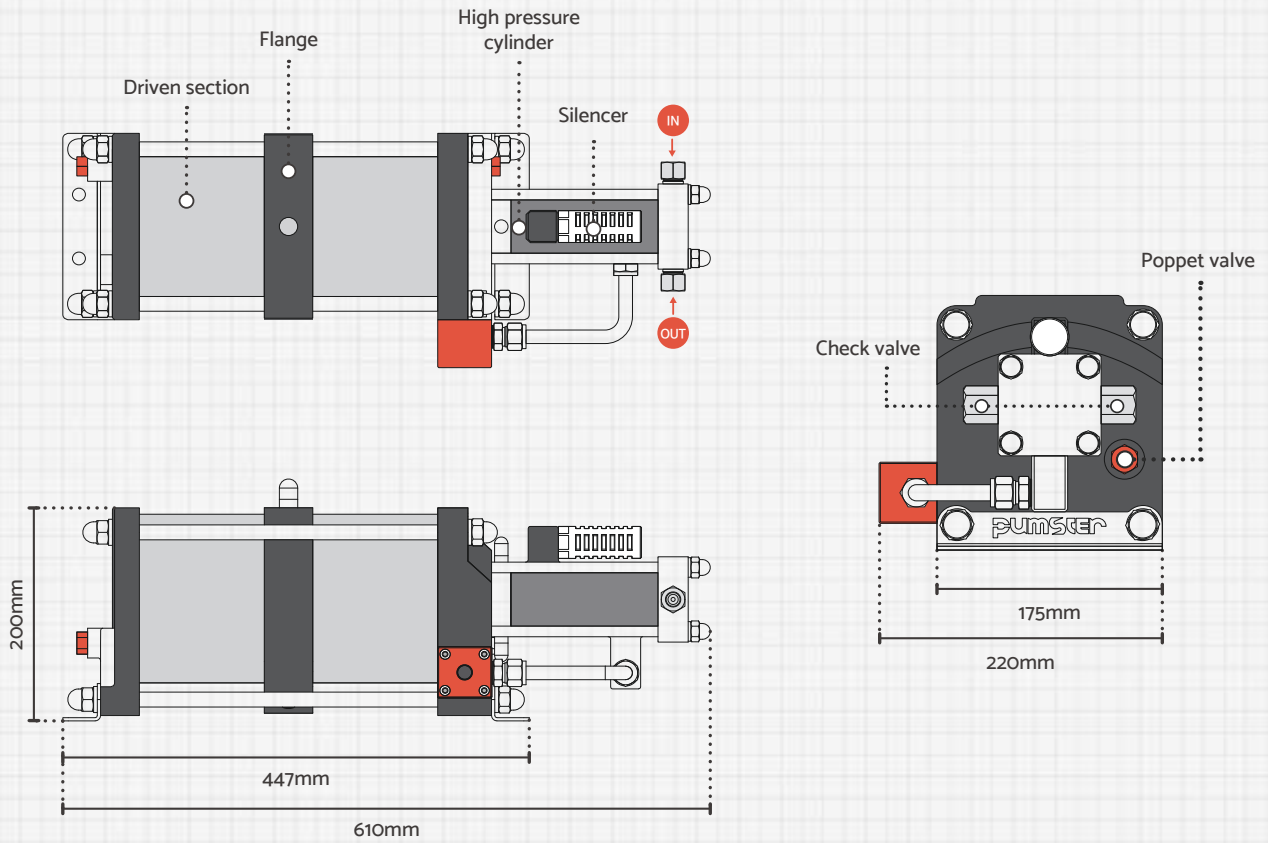
Single stage & Double driven

Gas Booster GB-SD is consists of single stage and double driven part.
There are 3 types depending on compression ratio.
(compression ratio: 1 : 60 / 100 / 150)



GB-SD

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

GB-SD

SPECIFICATION

※ Actual weight could be slightly different.

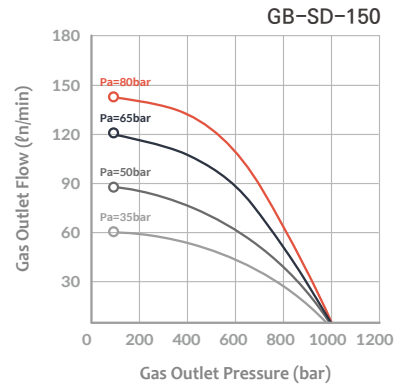
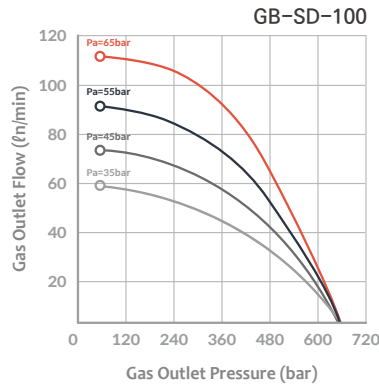
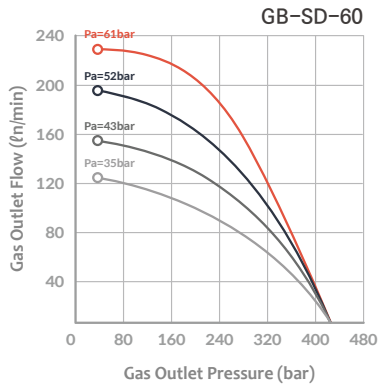
※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)

※ M.P is calculated with 7 bar(standardized air pressure).

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Min.Suction Pressure(kg/cm ²)	Connections		Flow rate (ℓn /min)	Weight (kg)
					Inlet	Outlet		
SD-60	1 : 60		420	28			635	20
SD-100	1 : 100	5~10	700	31	9/16" 18UNF	9/16" 18 UNF	370	20
SD-150	1 : 150		1,050	35			530	21

GB-SD

PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (l Flow rate/sec) = total charging time

*** Outlet pressure (Pb) = I·PI**

(Outlet Pressure = Compression ratio · Air drive)

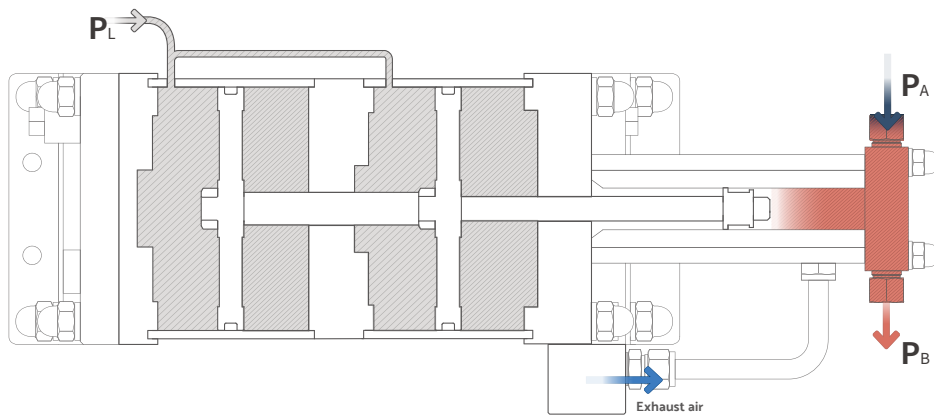
Precautions

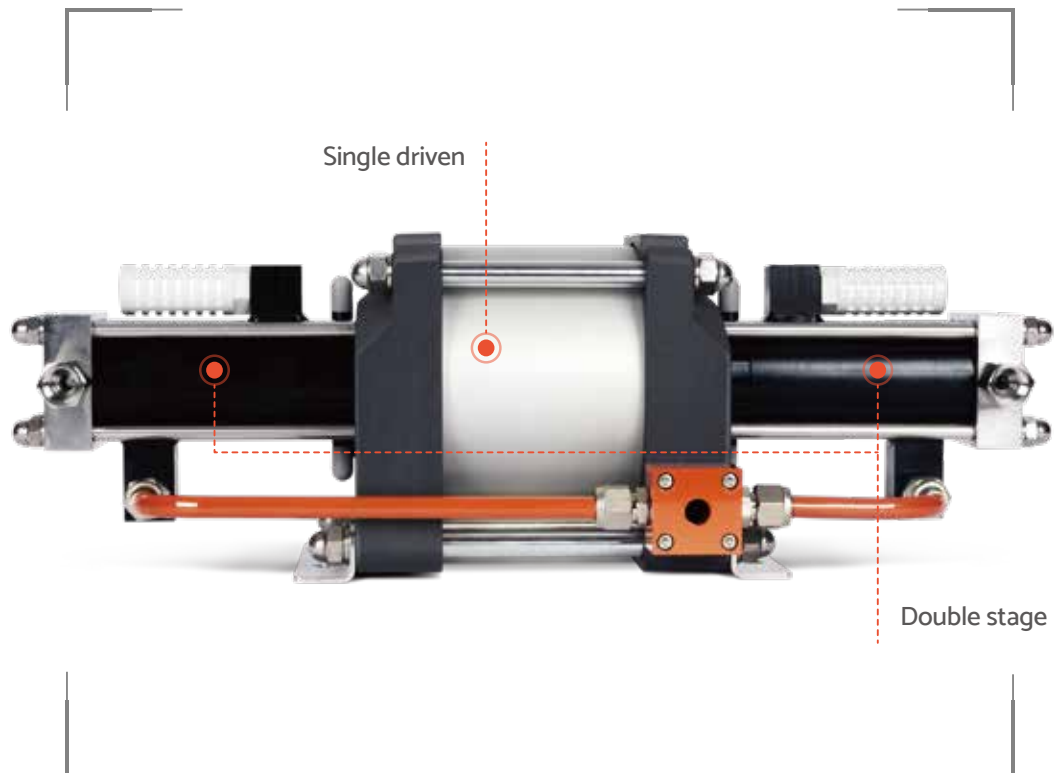
- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow gas pressure, feed rate
- Actual flow rate will be different depending on utility.

GB-SD

OVERVIEW

PL - Air drive
 PA - Suction gas
 PB - Discharging gas





GB-DS SERIES

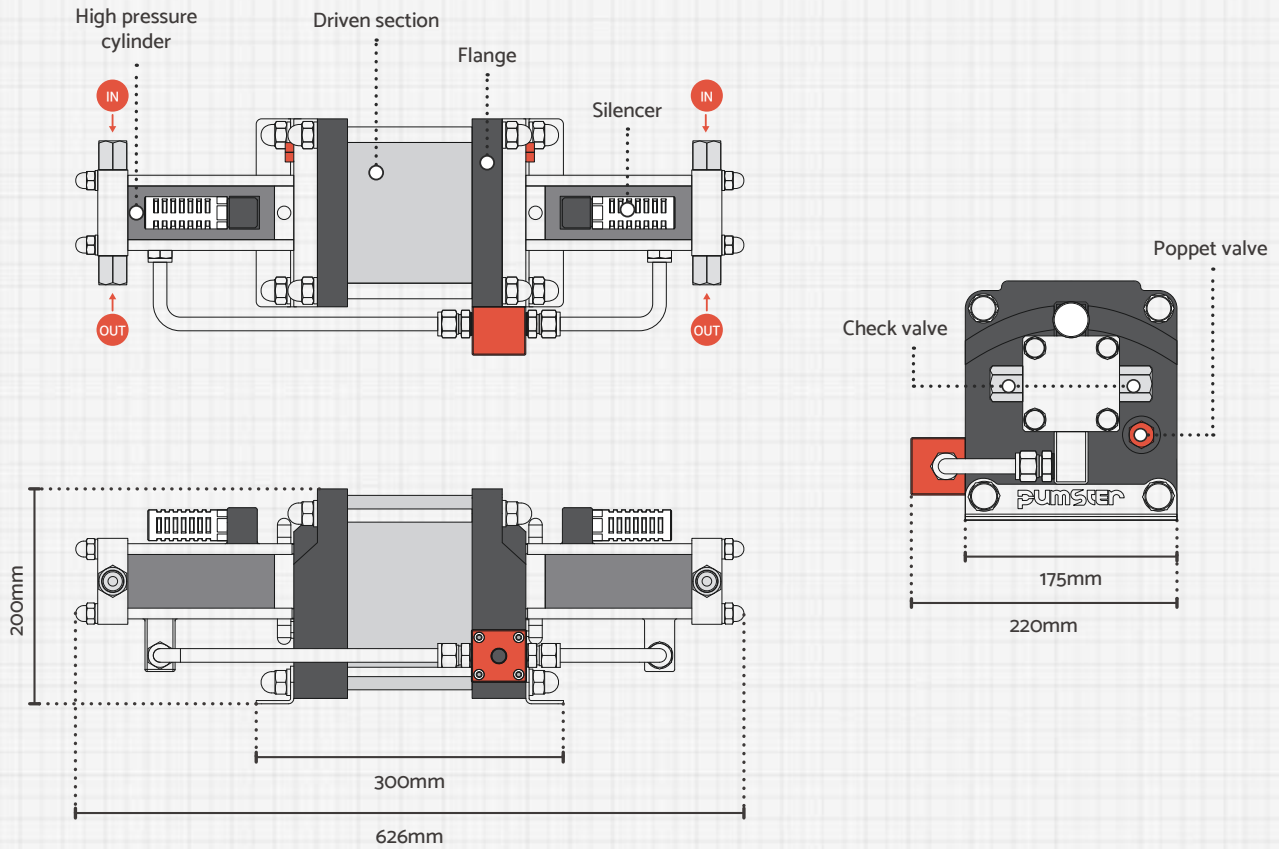
Double stage & Single driven

Gas Booster GB-DS is consists of double stage and single driven part.
There are 5 types depending on compression ratio.
(compression ratio: 1 : 7 / 14 / 30 / 50 / 75)



GB-DS

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

GB-DS

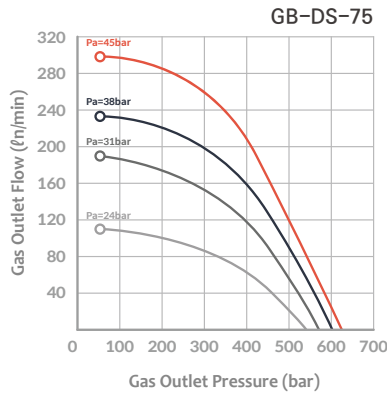
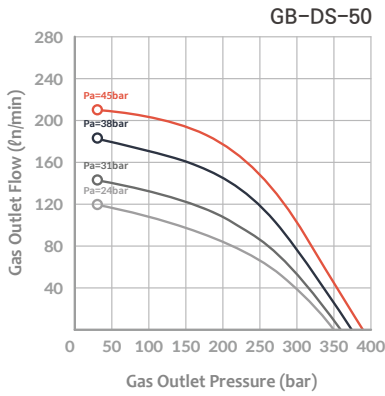
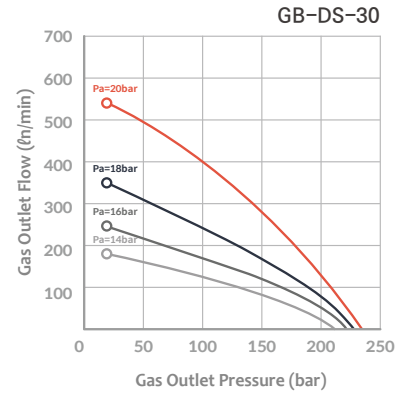
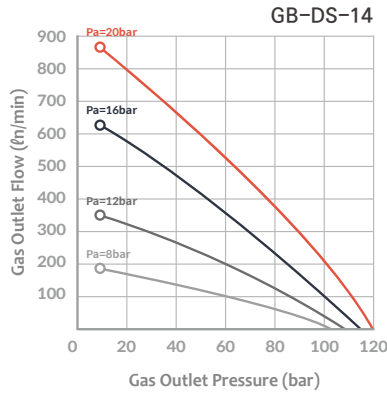
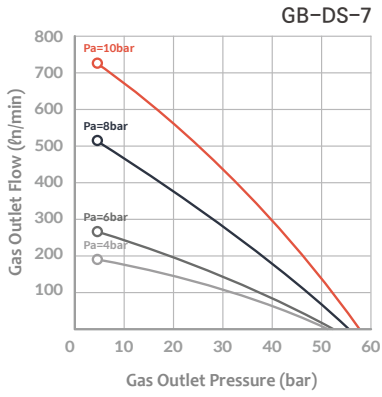
SPECIFICATION

※ Actual weight could be slightly different.
 ※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)
 ※ M.P is calculated with 7 bar(standardized air pressure).

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Min.Suction Pressure(kg/cm ²)	Connections		Flow rate (ℓn /min)	Weight (kg)
					Inlet	Outlet		
DS-7	1 : 7	5~10	49	4	1/2" PT	1/2" PT	3,180	19
DS-14	1 : 14		98	7			4,230	19
DS-30	1 : 30		210	14			2,470	20
DS-50	1 : 50		350	21	9/16" 18UNF	9/16" 18 UNF	1,130	21
DS-75	1 : 75		525	35			1,300	21

GB-DS

PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

* **Outlet pressure (Pb) = I-PI**
 (Outlet Pressure = Compression ratio · Air drive)

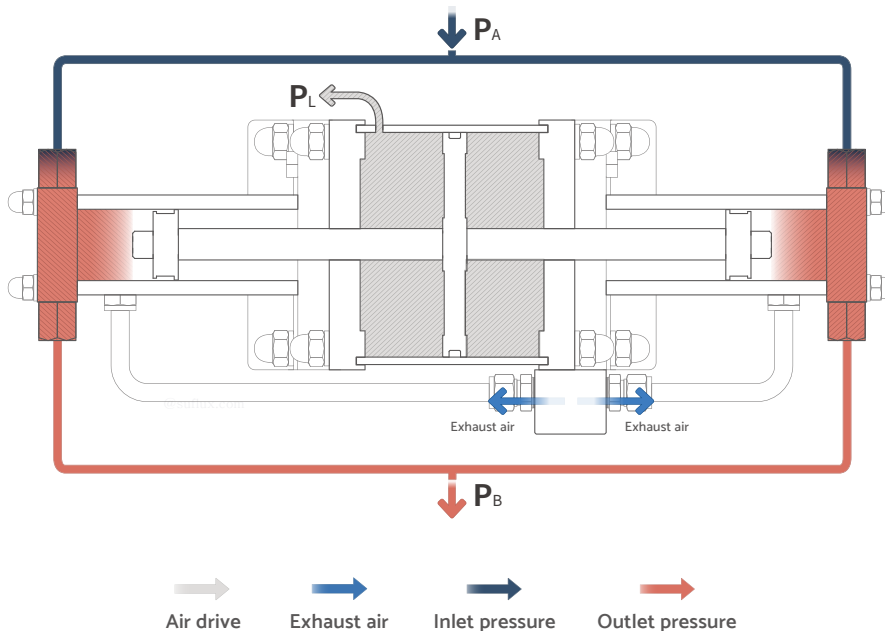
Precautions

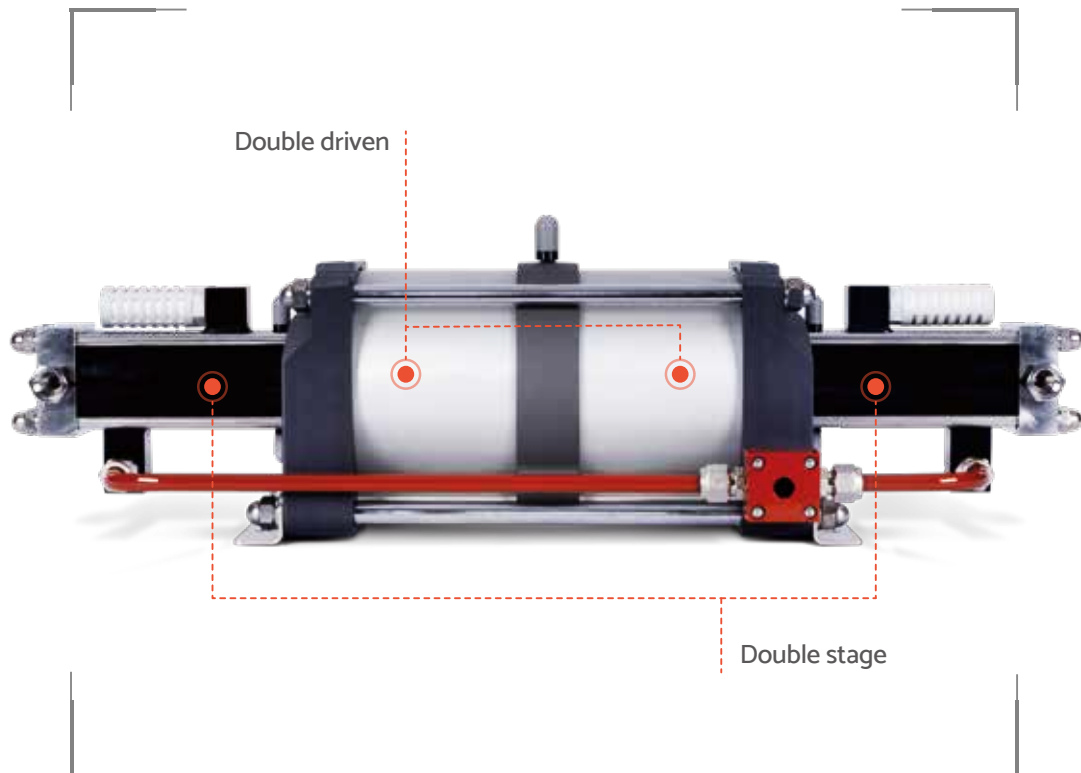
- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow gas pressure, feed rate
- Actual flow rate will be different depending on utility.

GB-DS

OVERVIEW

PL - Air drive
 PA - Suction gas
 PB - Discharging gas





GB-DD SERIES

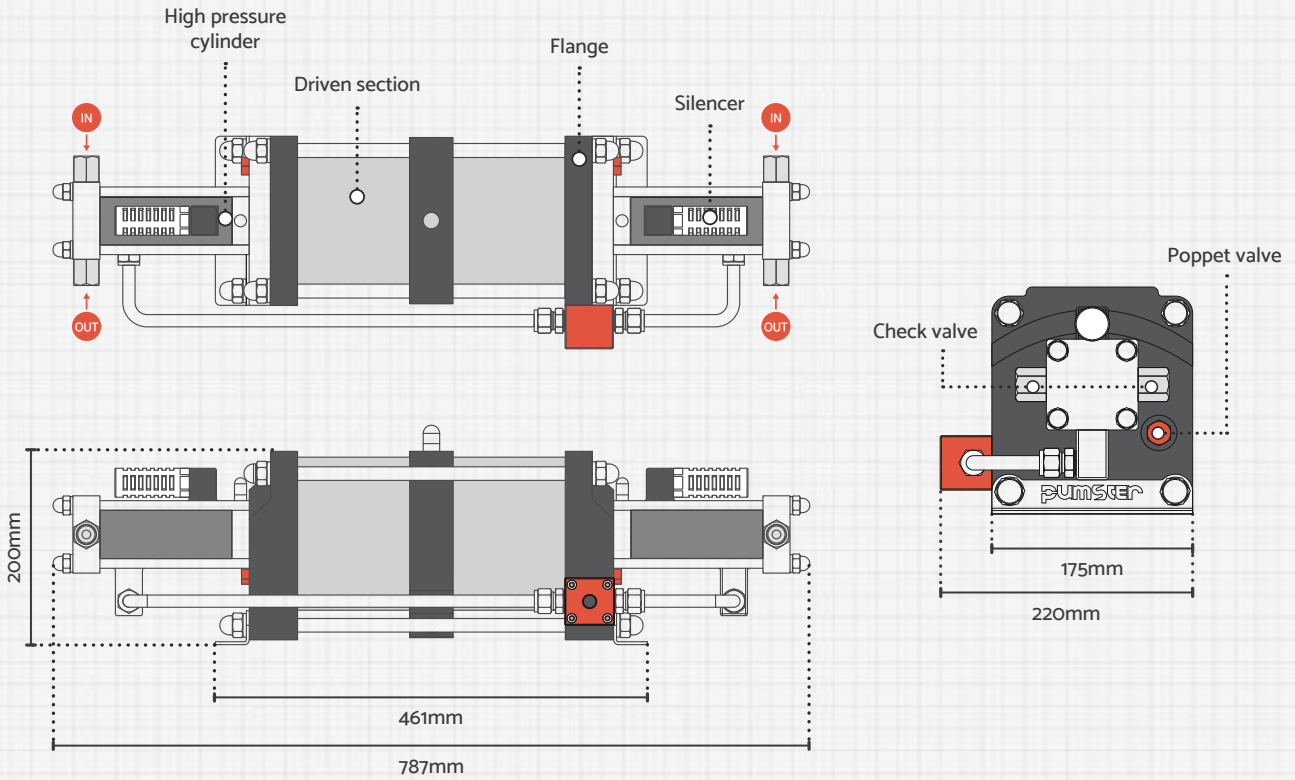
Double stage & Double driven

Gas Booster GB-DD is consists of double stage and double driven part.
There are 5 types depending on compression ratio.
(compression ratio: 1 : 14 / 28 / 60 / 100 / 150)



GB-DD

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

GB-DD

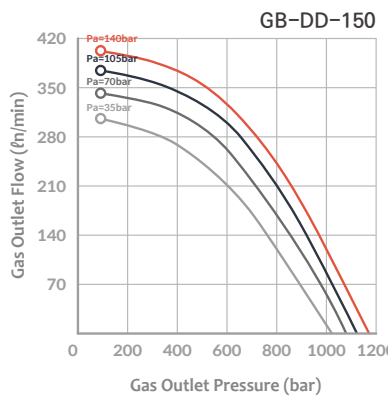
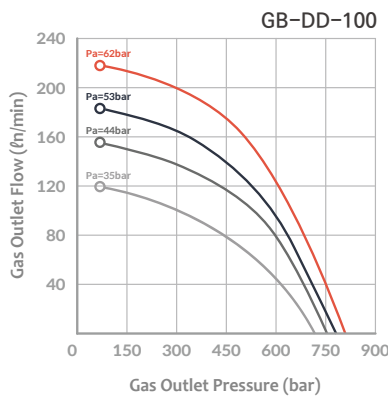
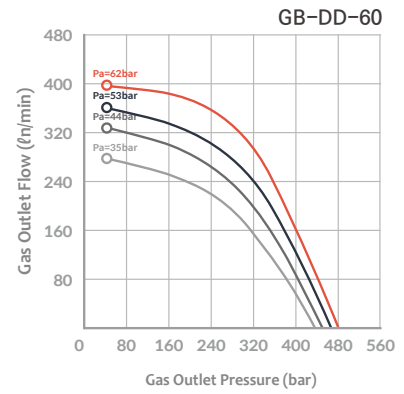
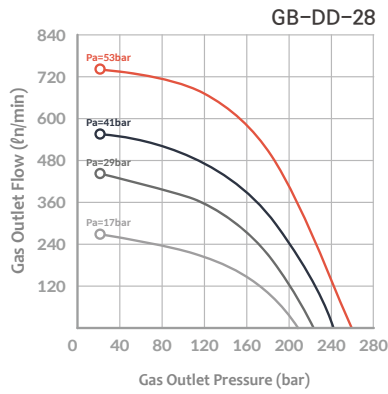
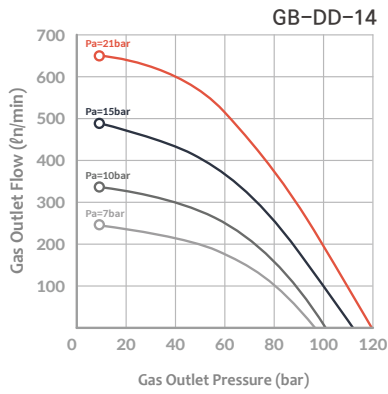
SPECIFICATION

※ Actual weight could be slightly different.
 ※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)
 ※ M.P is calculated with 7 bar(standardized air pressure).

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Min.Suction Pressure(kg/cm ²)	Connections		Flow rate (ℓn /min)	Weight (kg)
					Inlet	Outlet		
DD-14	1 : 14	5~10	98	7	1/2" PT	1/2" PT	6,000	23
DD-28	1 : 28		196	13			2,790	23
DD-60	1 : 60		420	28	9/16" 18UNF	9/16" 18 UNF	2,050	24
DD-100	1 : 100		700	31			1,130	25
DD-150	1 : 150		1,050	35			1,410	25

GB-DD

PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

* **Outlet pressure (Pb) = I·PI**
 (Outlet Pressure = Compression ratio · Air drive)

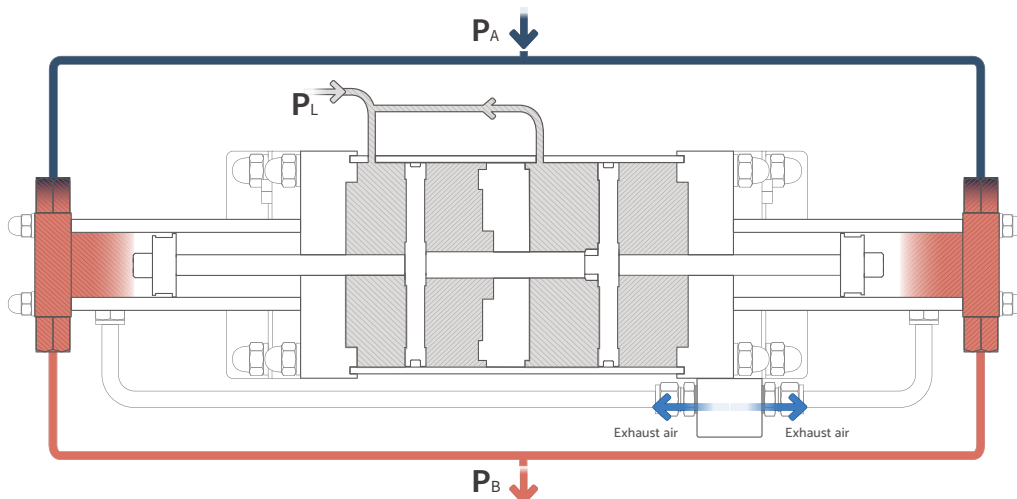
Precautions

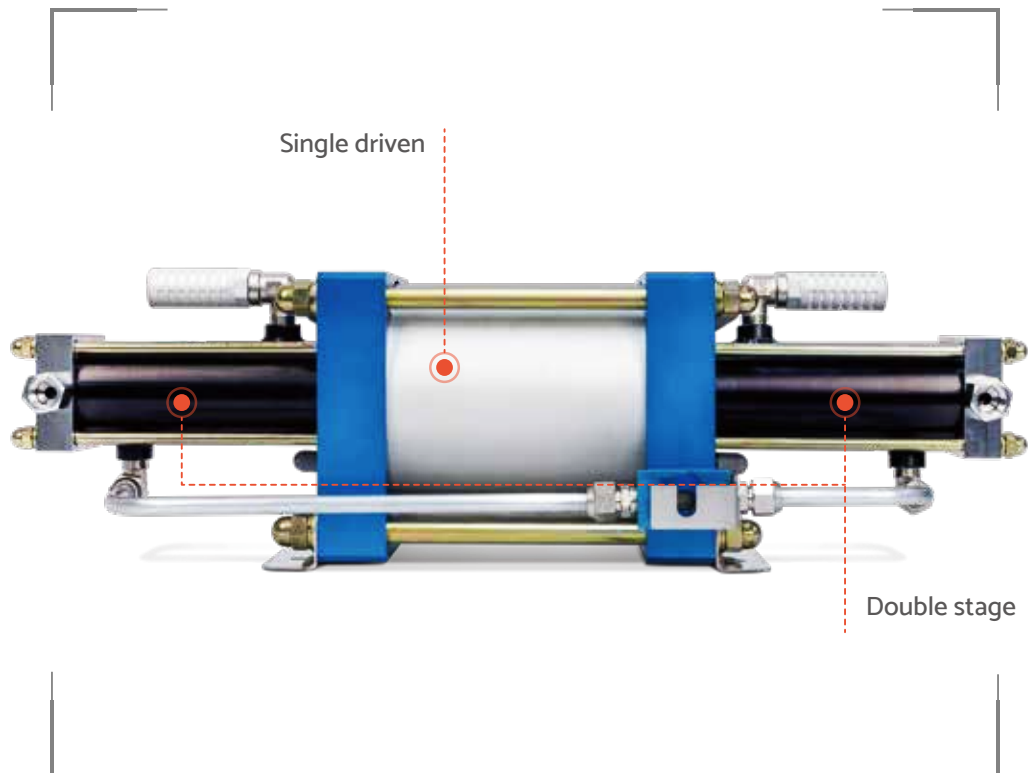
- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow gas pressure, feed rate
- Actual flow rate will be different depending on utility.

GB-DD

OVERVIEW

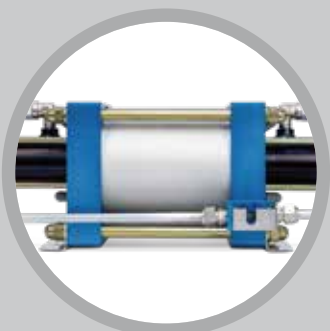
PL - Air drive
 PA - Suction gas
 PB - Discharging gas





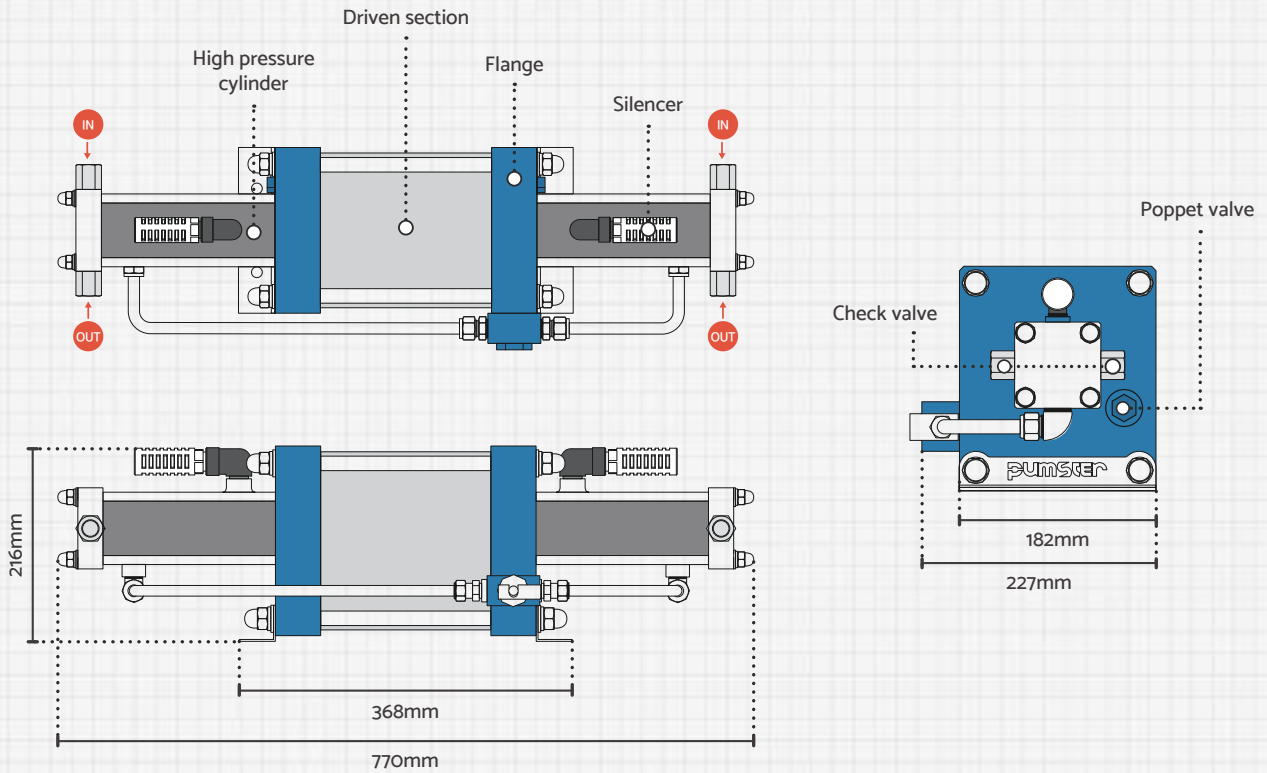
(160Φ)
GB-DS-7 SERIES
Double stage & Single driven

Gas Booster GB-DS(160Φ) is a special model.
It consists of double stage and single driven part.
(compression ratio: 1 : 7 [Driven part 160Φ])



GB-DS-7(160Φ)

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

GB-DS-7(160Φ)

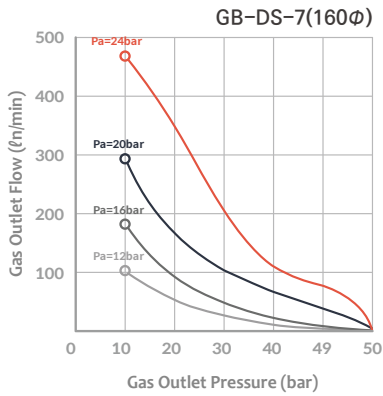
SPECIFICATION

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Min.Suction Pressure(kg/cm ²)	Connections		Flow rate (ℓn /min)	Weight (kg)
					Inlet	Outlet		
GB-DS-7 (160Φ)	1 : 7	5~10	49	4	1/2" PT	1/2" PT	3,820	21

- ※ Actual weight could be slightly different.
- ※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)
- ※ M.P is calculated with 7 bar(standardized air pressure).

GB-DS-7(160Φ)

PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

* **Outlet pressure (Pb) = I·Pi**
 (Outlet Pressure = Compression ratio · Air drive)

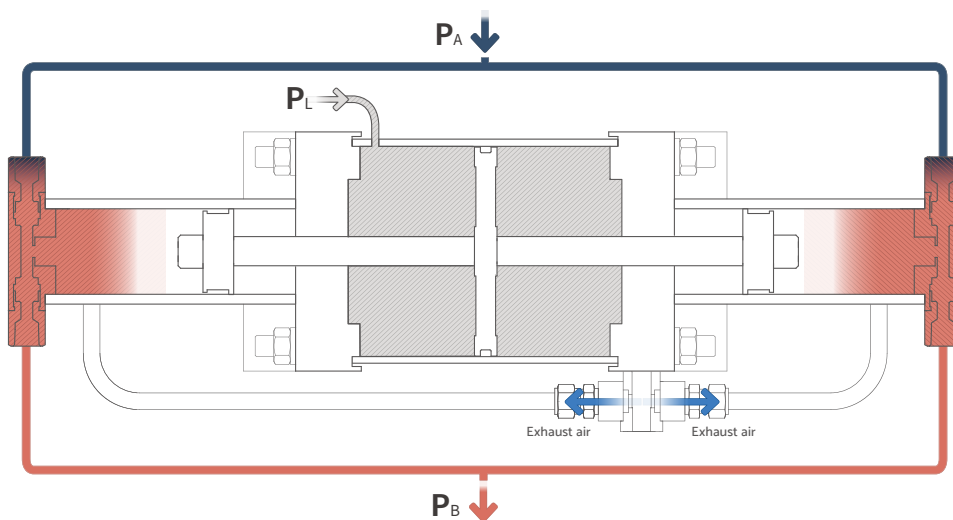
Precautions

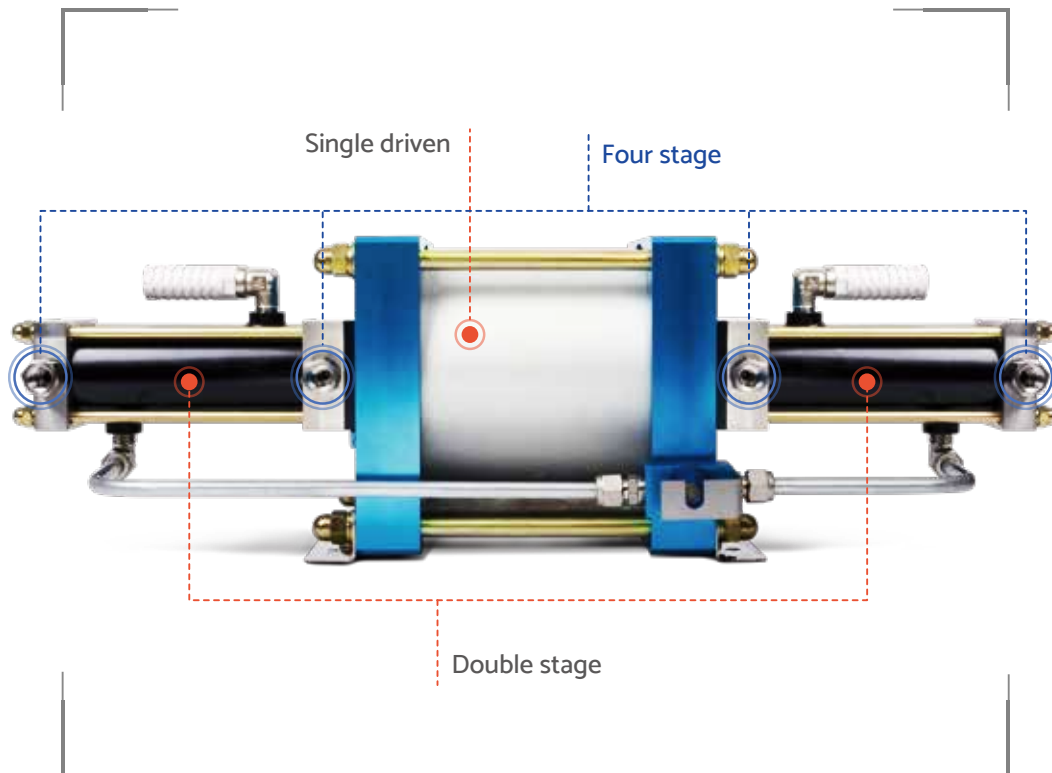
- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow gas pressure, feed rate
- Actual flow rate will be different depending on utility.

GB-DS-7(160Φ)

OVERVIEW

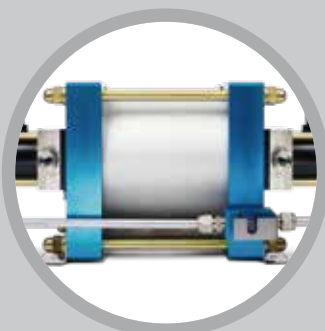
PL - Air drive
 PA - Suction gas
 PB - Discharging gas





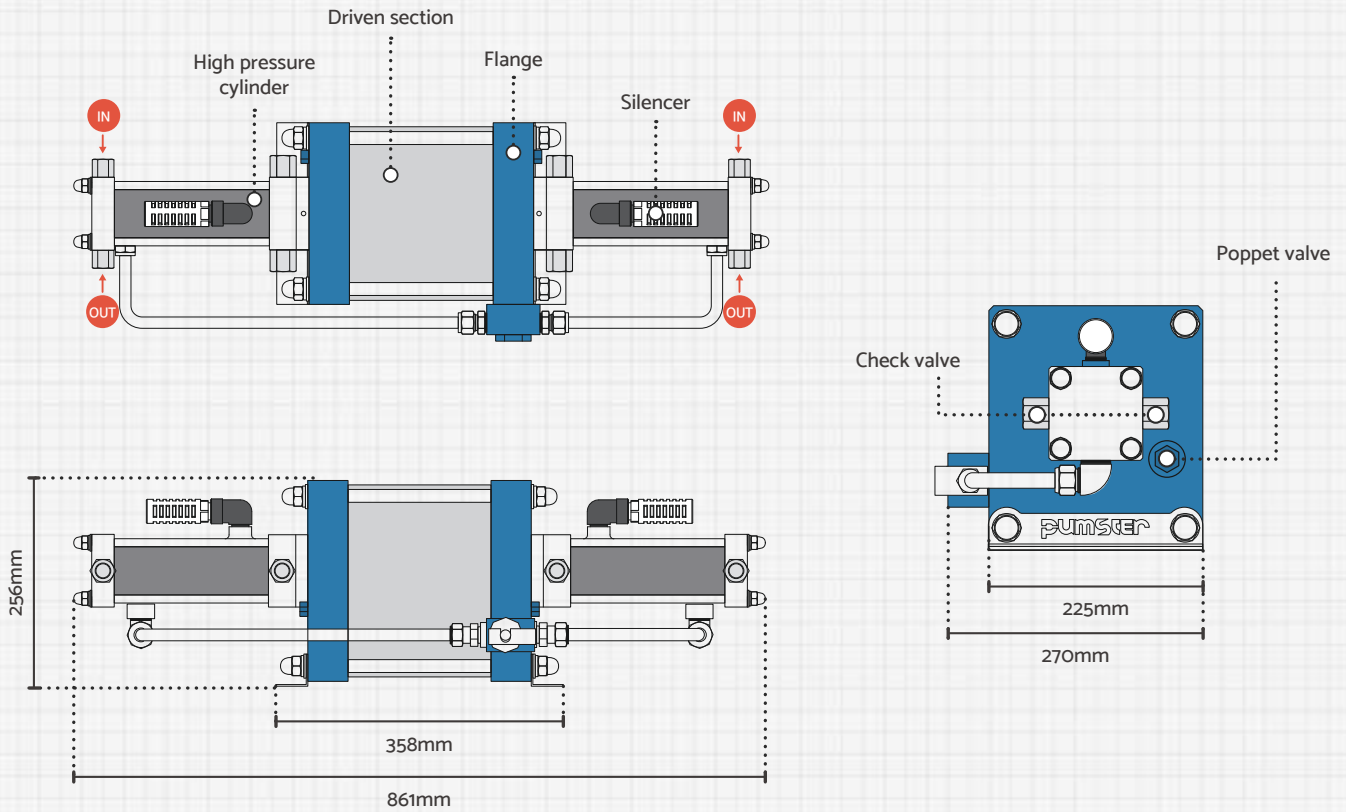
(200Φ)
GB-QS-7 SERIES
 Four stage & Single driven

Gas Booster GB-QS(200Φ) is a special model.
 It consists of double stage (four displacement flow part)
 and single driven part.
 (compression ratio: 1 : 7 [Driven part 200Φ])



GB-QS-7(200Φ)

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

GB-QS-7(200Φ)

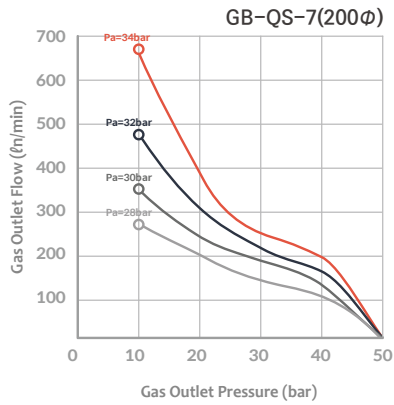
SPECIFICATION

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Min.Suction Pressure(kg/cm ²)	Connections		Flow rate (ℓn /min)	Weight (kg)
					Inlet	Outlet		
GB-QS-7 (200Φ)	1:7	5~10	49	4	1/2" PT	1/2" PT	4,200	40

※ Actual weight could be slightly different.
 ※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)
 ※ M.P is calculated with 7 bar(standardized air pressure).

GB-QS-7(200Φ)

PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

* **Outlet pressure (Pb) = I·PI**
 (Outlet Pressure = Compression ratio · Air drive)

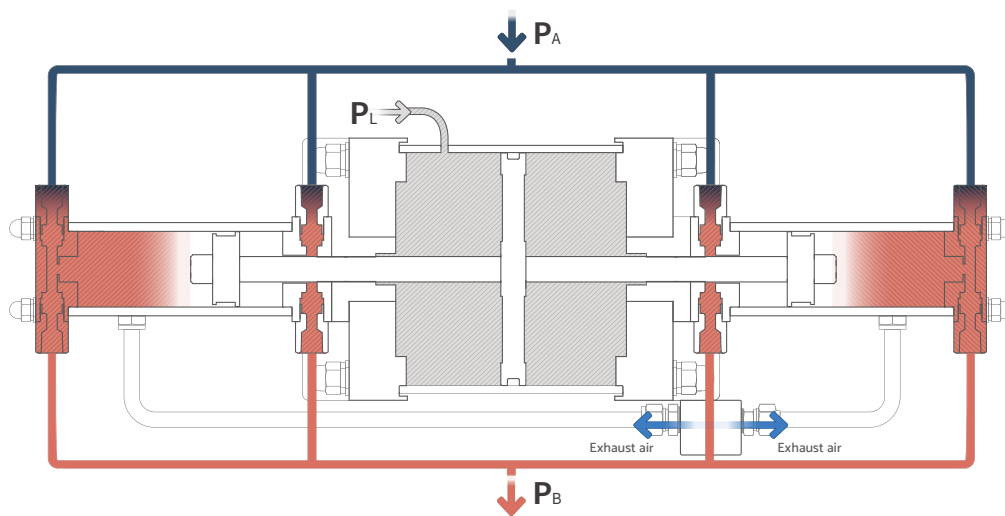
Precautions

- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow gas pressure, feed rate
- Actual flow rate will be different depending on utility.

GB-QS-7(200Φ)

OVERVIEW

PL - Air drive
 PA - Suction gas
 PB - Discharging gas



LIQUIDPUMP SERIES

Air driven liquid pump is efficient in energy-saving. It could be applied in explosion proof area. It is suitable for transferring water or oil or increasing pressure of liquid.



HOW IT WORKS

Pneumatic operation
by applying Pascal's Law

Based on Pascal's law, air driven LIQUID PUMP is increasing the pressure by the compression ratio. Air pressure makes the plunger to reciprocate. With repeated reciprocating of the plunger, it discharges and increases the liquid to out-check after compressing the liquid through in-check.

Features of Liquid Pump



For the compression of liquid substances such as water or oil.



Guarantess more than 1M times of durability of main seal



No requirement for electricity



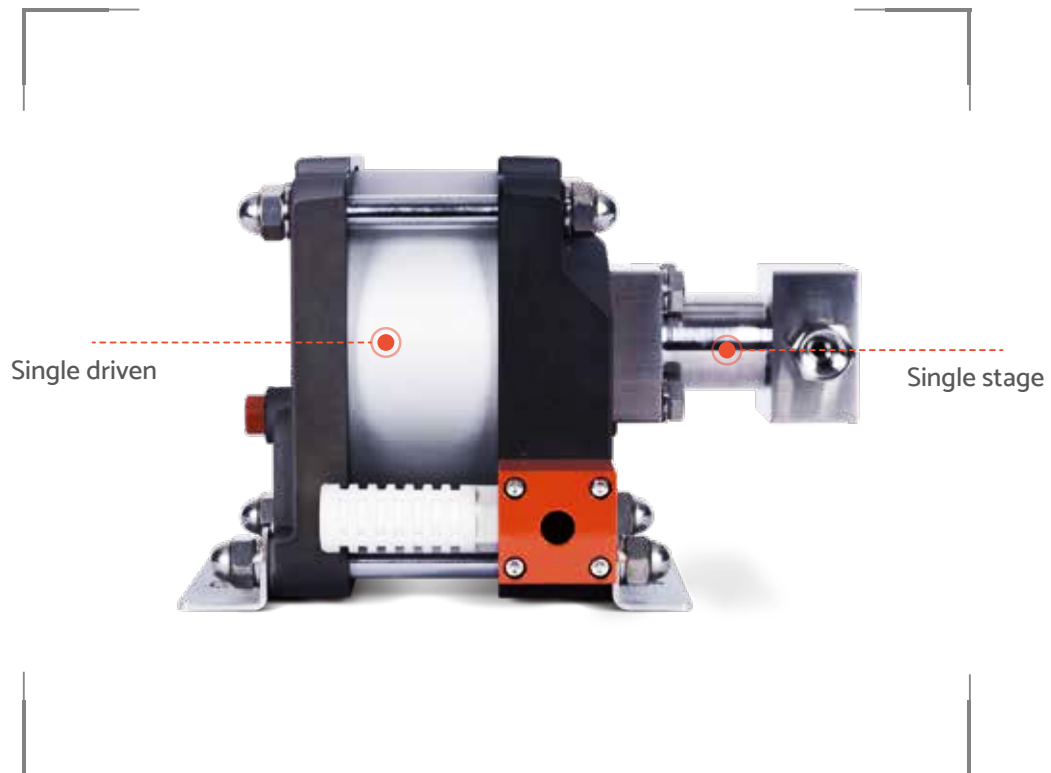
Oil free, no requirement for oil replacement, contamination



Suitable for explosion proof area



Available as a complete packaged system



LSS SERIES

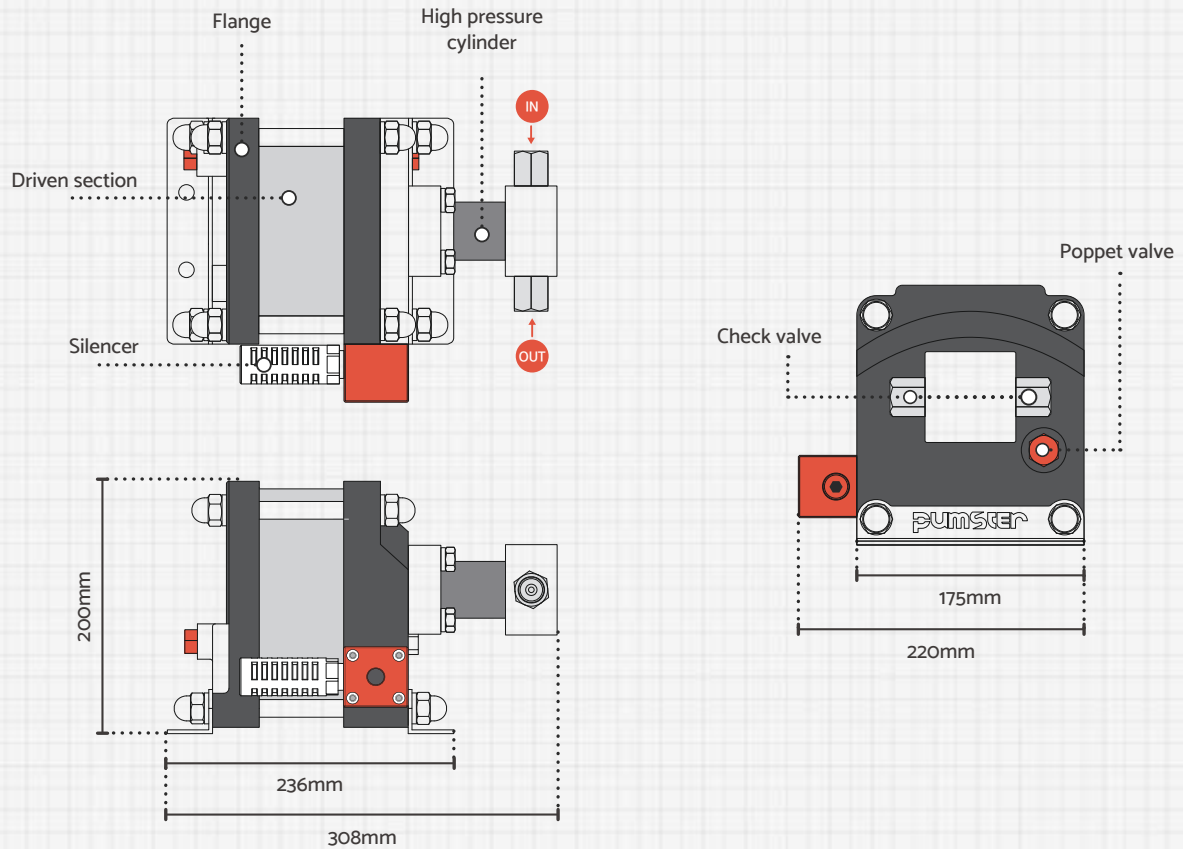
Single stage & Single driven

Liquid Pump LSS is consists of sinlge stage and single driven part.
There are 5 types depending on compression ratio.
(compression ratio: 1 : 50 / 80 / 150 / 220 / 350)



LSS

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

LSS

SPECIFICATION

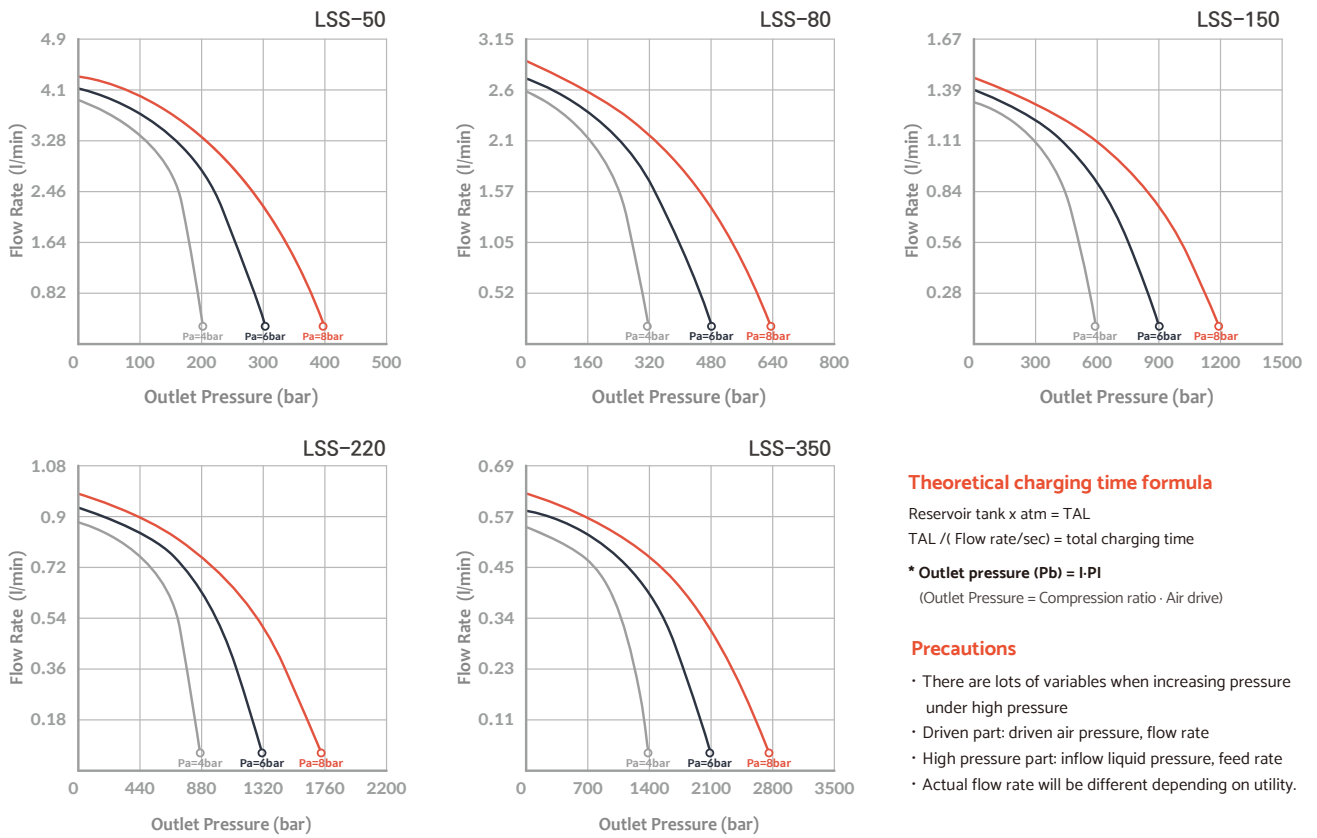
※ Actual weight could be slightly different.

※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)

※ M.P is calculated with 7 bar(standardized air pressure).

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Connections		Flow rate (ℓ/min)	Weight (kg)
				Inlet	Outlet		
LSS-50	1 : 50	5~10	350	1/2" PT	1/2" PT	1.1	12
LSS-80	1 : 80		560		0.7	12	
LSS-150	1 : 150		1,050		9/16" 18 UNF	0.4	12
LSS-220	1 : 220		1,540		0.27	12	
LSS-350	1 : 350		2,450		0.18	12	

LSS PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

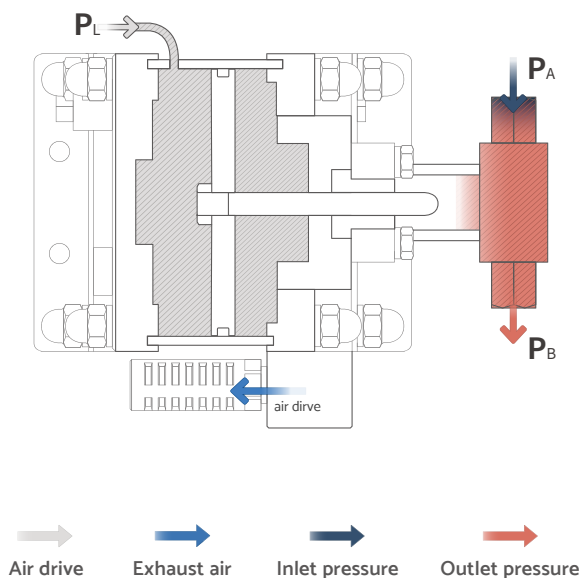
* **Outlet pressure (Pb) = I·PI**
 (Outlet Pressure = Compression ratio · Air drive)

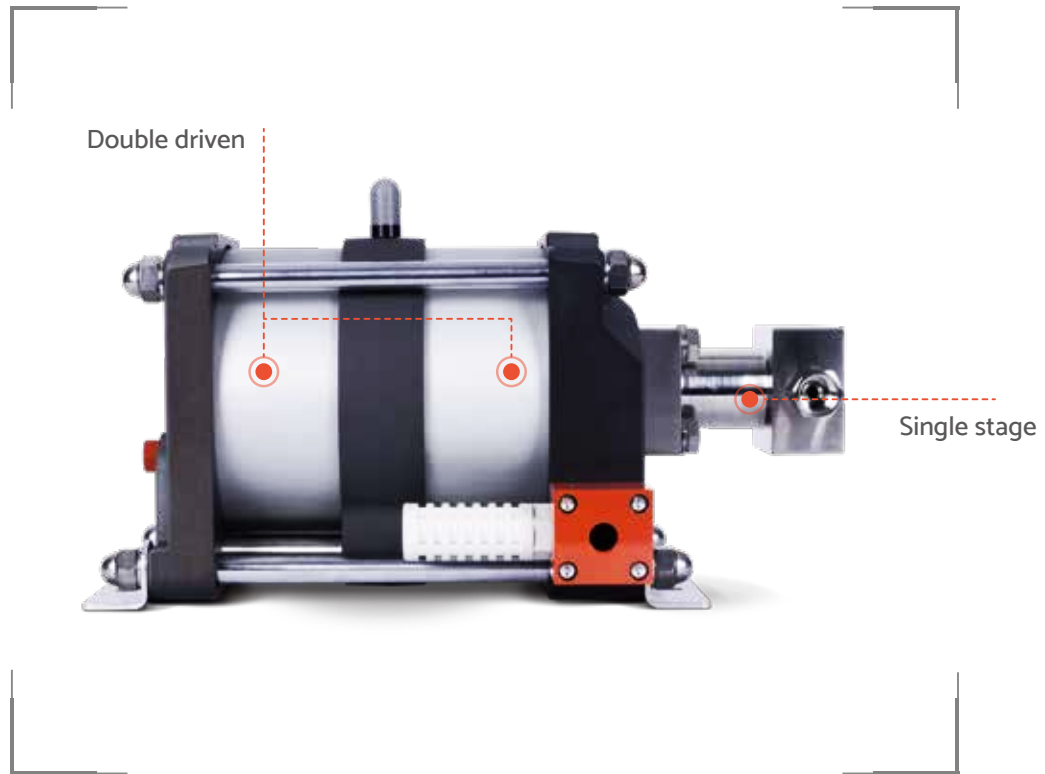
Precautions

- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow liquid pressure, feed rate
- Actual flow rate will be different depending on utility.

LSS OVERVIEW

P_L - Air drive
 P_A - Suction Liquid
 P_B - Discharging Liquid





LSD SERIES

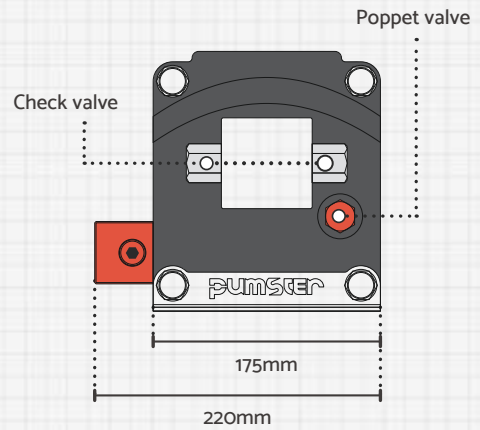
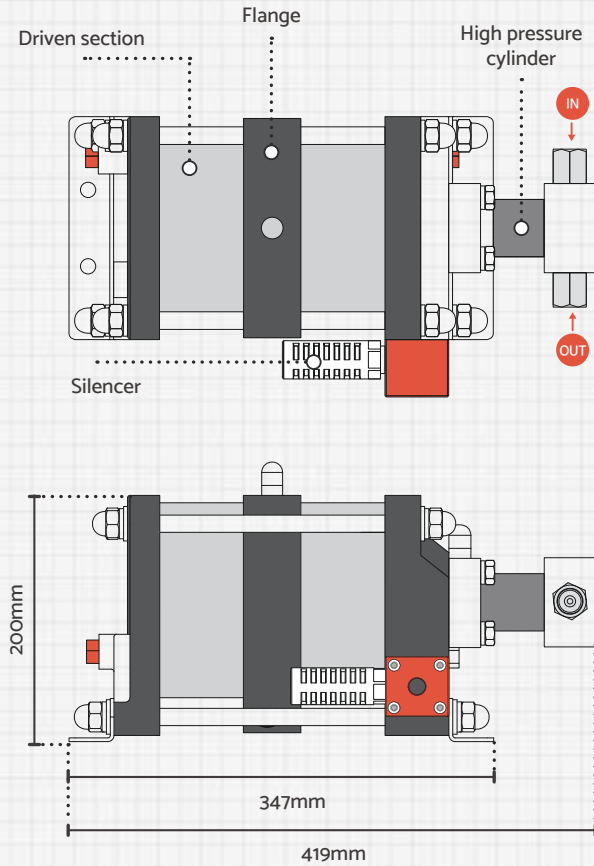
Single stage & Double driven

Liquid Pump LSD is consists of sinlge stage and double driven parts.
There is 5 types depending on compression ratio.
(compression ratio: 1 : 100 / 160 / 300 / 440 / 700)



LSD

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

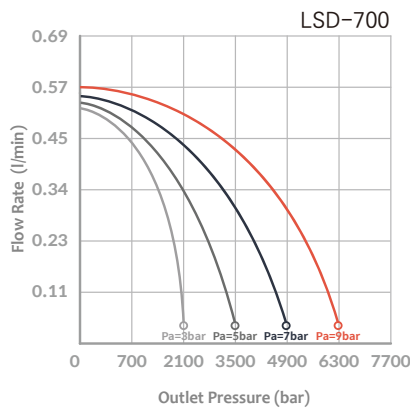
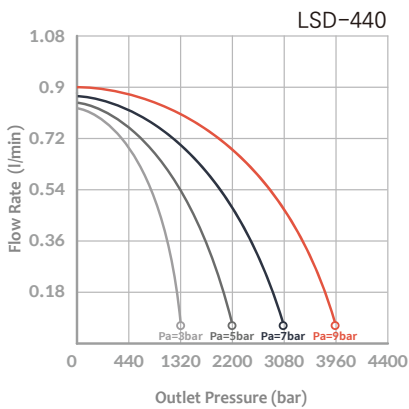
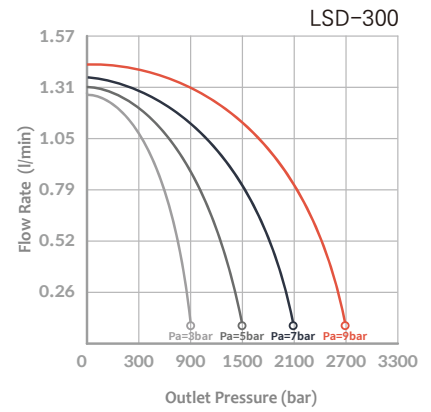
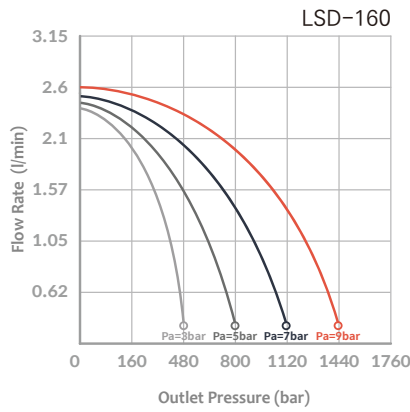
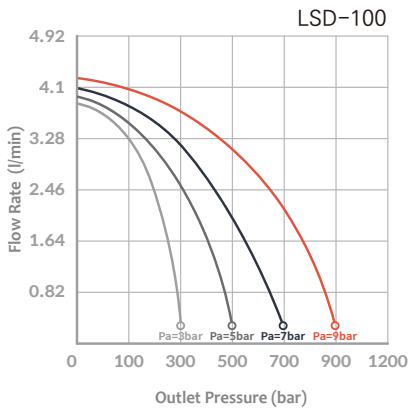
LSD

SPECIFICATION

※ Actual weight could be slightly different.
 ※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)
 ※ M.P is calculated with 7 bar(standardized air pressure).

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Connections		Flow rate (ℓ/min)	Weight (kg)
				Inlet	Outlet		
LSD-100	1 : 100		700	1/2" PT	9/16" 18 UNF	0.9	17
LSD-160	1 : 160		1,120			0.6	17
LSD-300	1 : 300	5~10	2,100			0.3	17
LSD-440	1 : 440		3,080			0.22	17
LSD-700	1 : 700		4,900			0.15	17

LSD PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

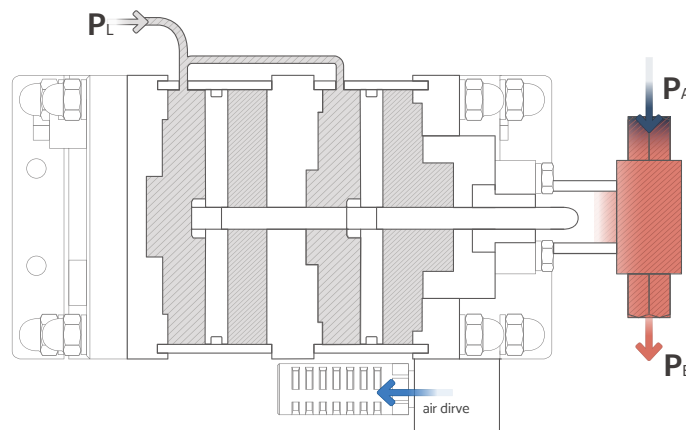
* **Outlet pressure (Pb) = I·PI**
 (Outlet Pressure = Compression ratio · Air drive)

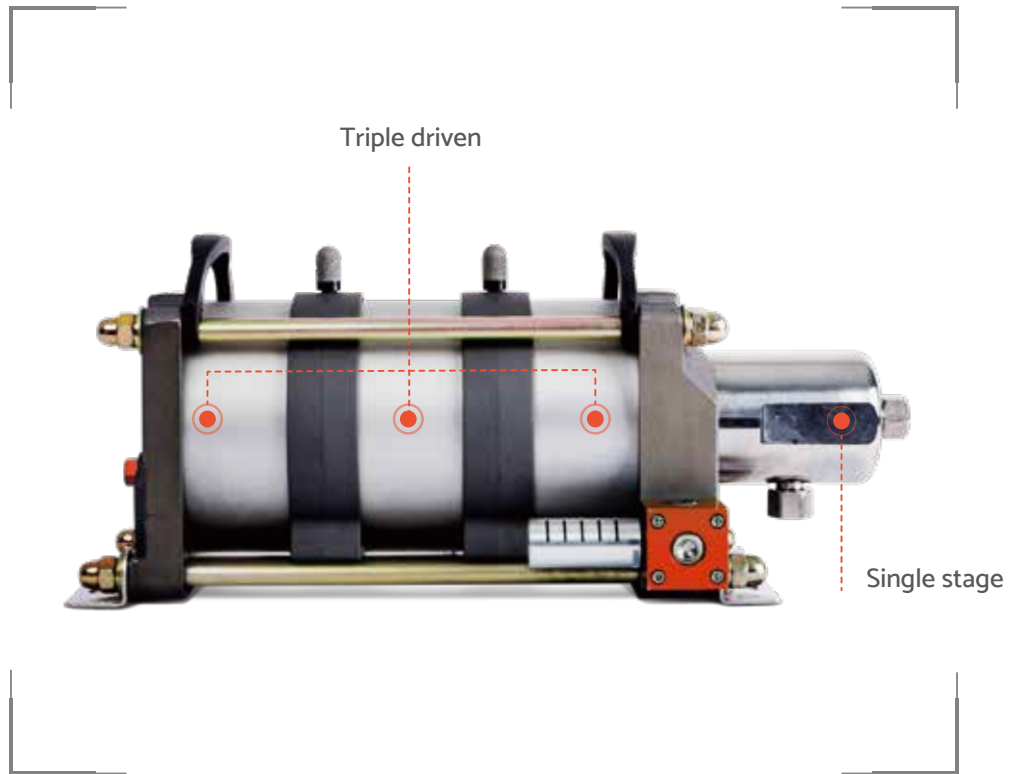
Precautions

- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow liquid pressure, feed rate
- Actual flow rate will be different depending on utility.

LSD OVERVIEW

PL - Air drive
 PA - Suction Liquid
 PB - Discharging Liquid





LST SERIES

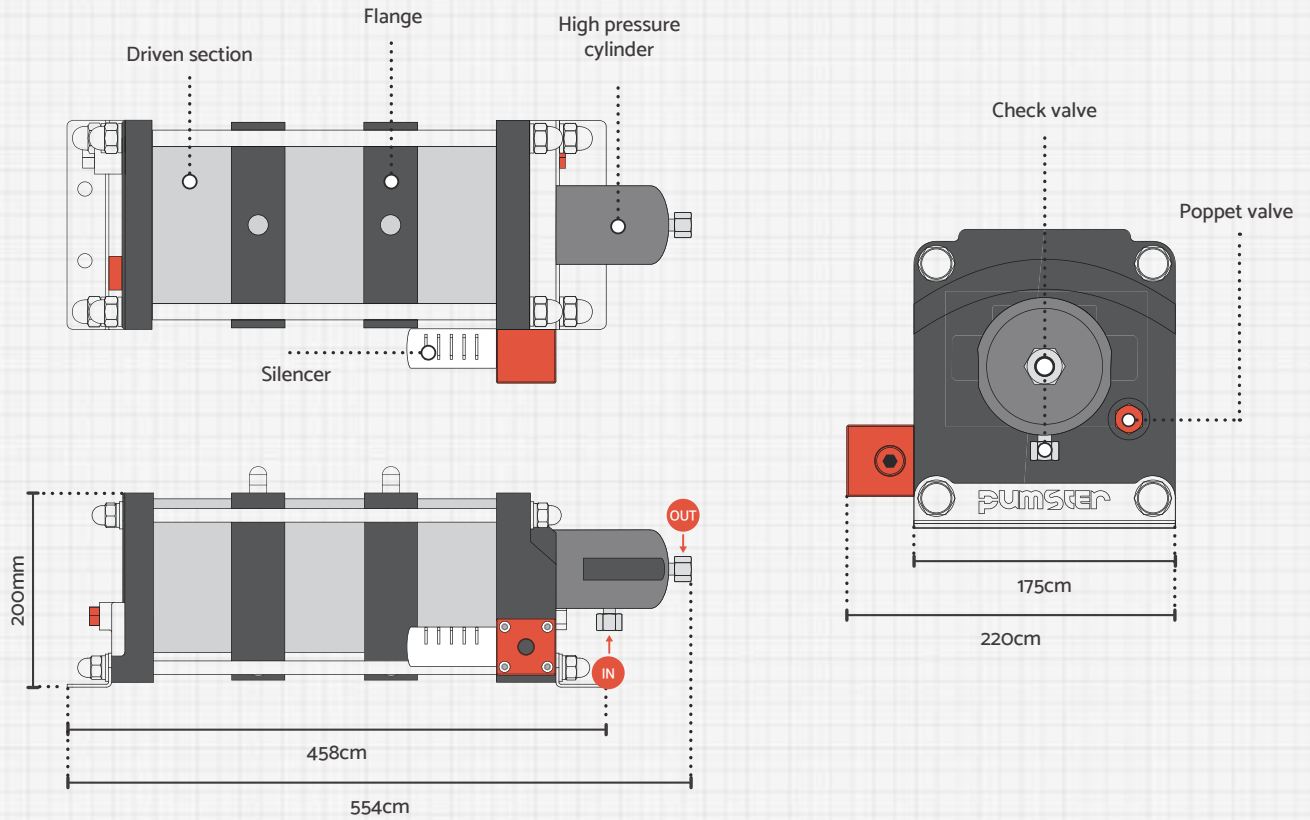
Single stage & Triple driven

Liquid Pump LST is consists of sinlge stage and triple driven parts.
There is 1 type according to compression ratio.
(compression ratio: 1 : 1050)



LST

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

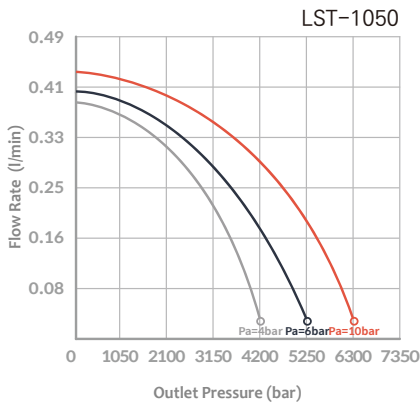
LST

SPECIFICATION

Model	Ratio	Air Drive Pressure(kg/cm ²)	Max. Pressure(kg/cm ²)	Connections		Flow rate (ℓ/min)	Weight (kg)
				Inlet	Outlet		
LST-1050	1 : 1,050	5~10	7,350	1/2" PT	9/16" 18 UNF	0.12	25

※ Actual weight could be slightly different.
 ※ M.P(kg/cm²) = Ratio * Air Drive Pressure(kg/cm²)
 ※ M.P is calculated with 7 bar(standardized air pressure).

LST PERFORMANCE CURVES



Theoretical charging time formula

Reservoir tank x atm = TAL
 TAL / (Flow rate/sec) = total charging time

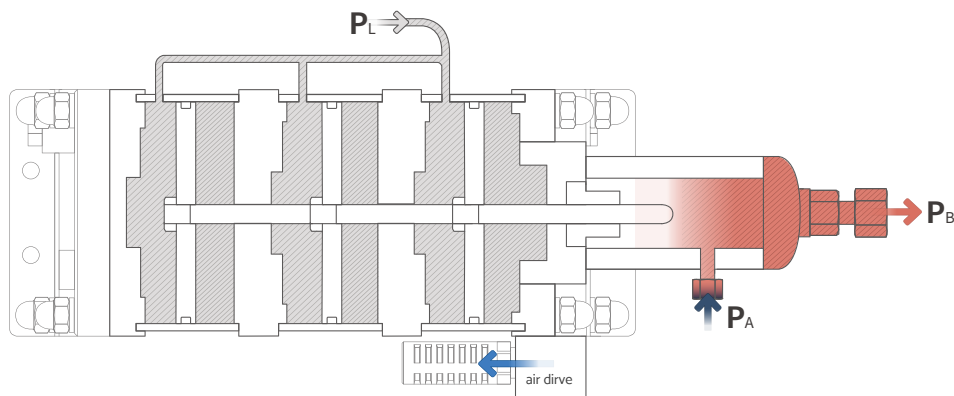
* **Outlet pressure (Pb) = I·PI**
 (Outlet Pressure = Compression ratio · Air drive)

Precautions

- There are lots of variables when increasing pressure under high pressure
- Driven part: driven air pressure, flow rate
- High pressure part: inflow liquid pressure, feed rate
- Actual flow rate will be different depending on utility.

LST OVERVIEW

PL - Air drive
 PA - Suction Liquid
 PB - Discharging Liquid



METERING PUMP SERIES

Metering pumps, which are reciprocating positive displacement pumps, provide the greatest possible metering accuracy. They set the standard for safety, reliability and efficiency, especially when it comes to pump supercritical fluids. Metering pumps are 3 models depending on vertical or horizontal type.



HOW IT WORKS

Flow Control Using Motor Rotation

With reciprocating of plunger, set amount is discharged with each stroke. Flow rate can be **different by changing revcount of motor and control flow rate.** Flow rate is maintained constantly even though resistance pressure of displacement part is changed.

Features of Metering Pump



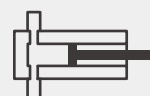
Control flow rate during operating or being hold



High pressure volumetric pump operated by the motor



Provide $\pm 1\%$ accuracy range 30-100% of max. flow rate



Plunger type volumetric pump



Simply control flow rate with changeable speed of motor



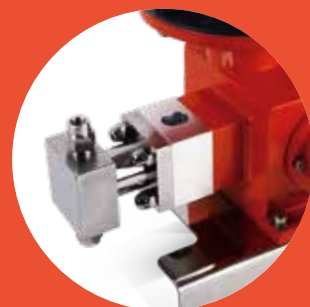
Longer durability of main seal



PSMV SERIES

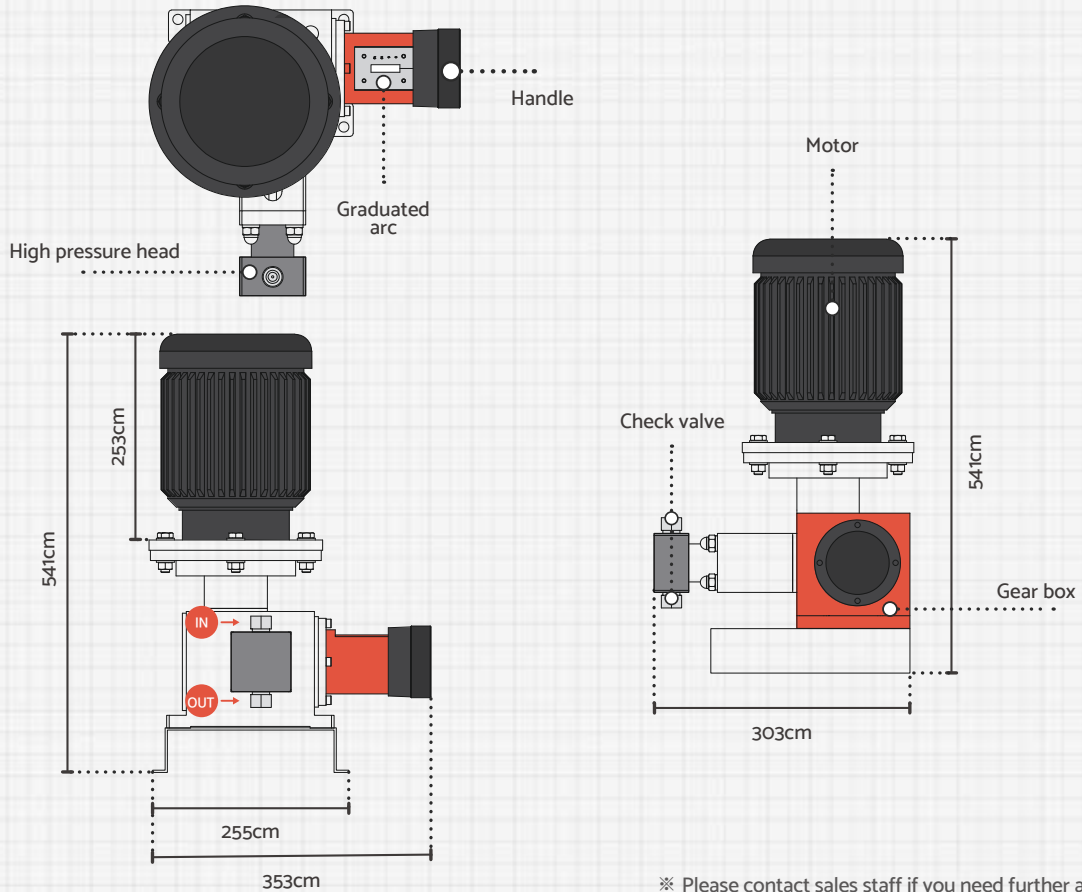
Vertical Type

PSMV of vertical type is consists of one head.
There are 4 types depending on flow rate and pressure.
(max.flow rate: 25 / 70 / 110 / 165)



PSMV

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

PSMV

SPECIFICATION

Model	Max.Pressure(kg/cm ²)	Flow rate(ml/min)	Inlet	Outlet
PSMV-25	1,000	25	1/4" NPT	1/4" NPT
PSMV-70	500	70		
PSMV-110	350	110		
PSMV-165	220	165		

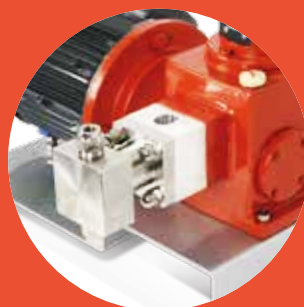
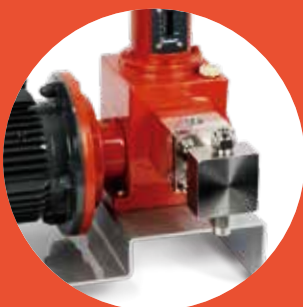
Motor specification			
Voltage(v)	Power(kw)	Explosion Proof	Ambient Temperature(°C)
220/380	0.75	IP55	-20°C ~ +40°C



PSMH SERIES

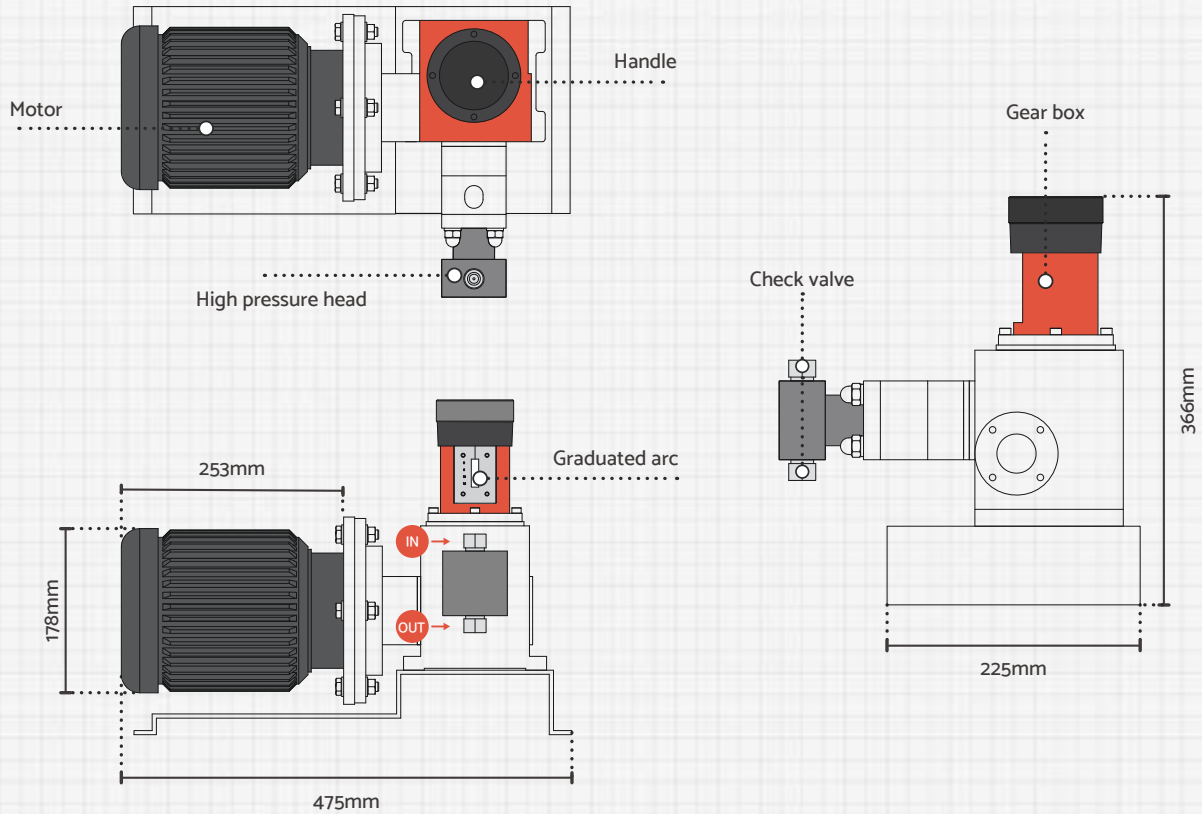
Horizontal Type

PSMH of horizontal type is consists of with one head.
There are 4 types depending on flow rate and pressure.
(max.flow rate: 25 / 70 / 110 / 165)



PSMH

SIZE / PART NAME



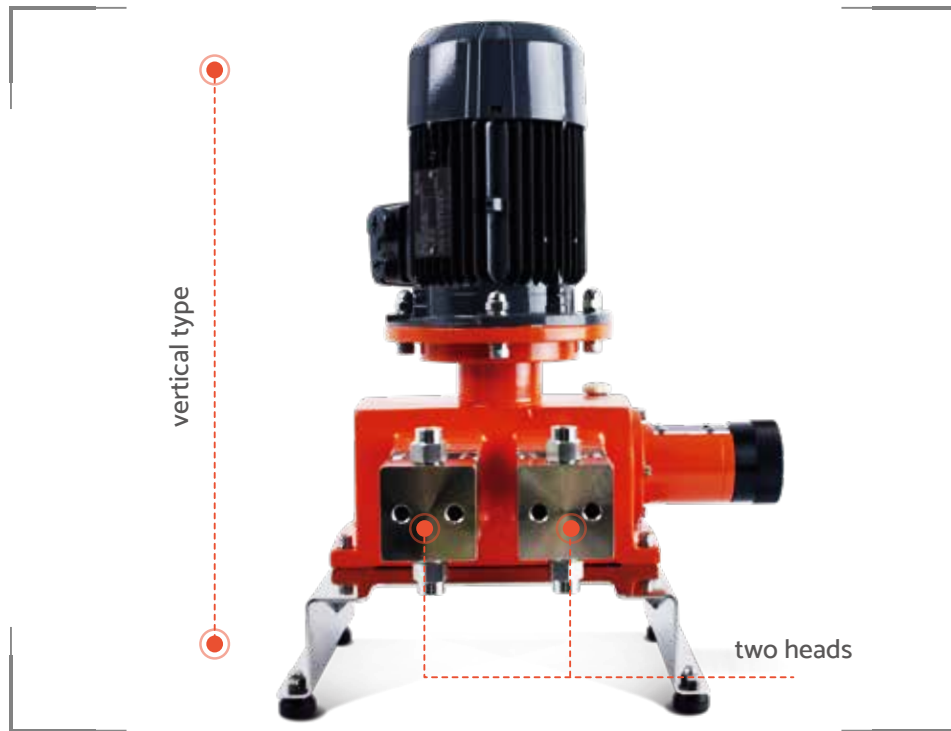
※ Please contact sales staff if you need further assistance.

PSMH

SPECIFICATION

Model	Max.Pressure(kg/cm ²)	Flow rate(ml/min)	Inlet	Outlet
PSMH-25	1,000	25	1/4" NPT	1/4" NPT
PSMH-70	500	70		
PSMH-110	350	110		
PSMH-165	220	165		

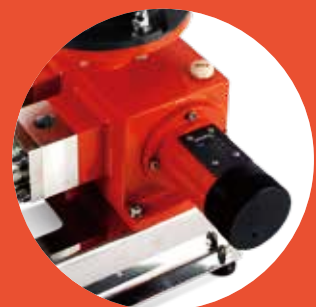
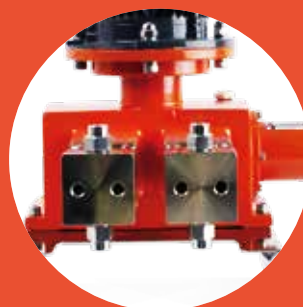
Motor specification			
Voltage(v)	Power(kw)	Explosion Proof	Ambient Temperature(°C)
220/380	0.75	IP55	-20°C ~ +40°C



PSMVT SERIES

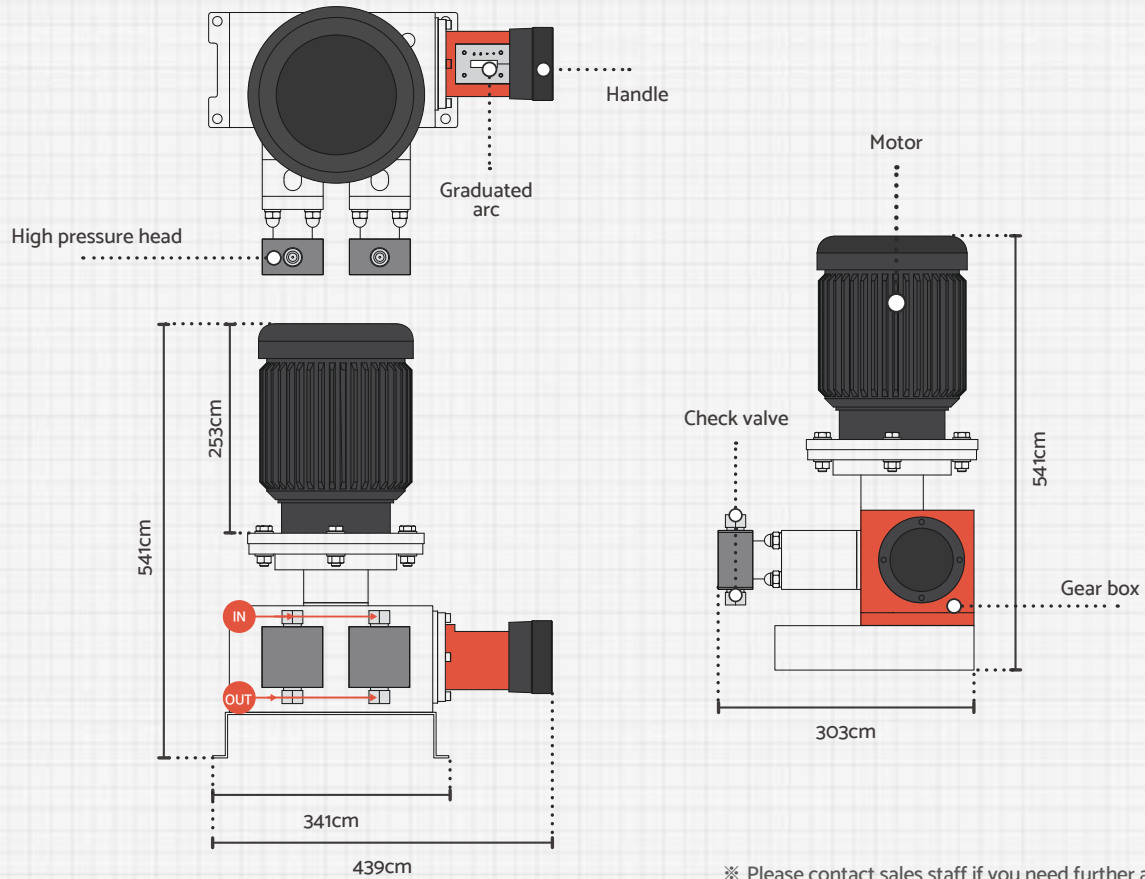
Vertical With Two Head Type

PSMVT of vertical type is consists of with two heads.
There are 4 types depending on flow rate and pressure.
(max.flow rate: 50 / 140 / 220 / 330)



PSMVT

SIZE / PART NAME



※ Please contact sales staff if you need further assistance.

PSMVT

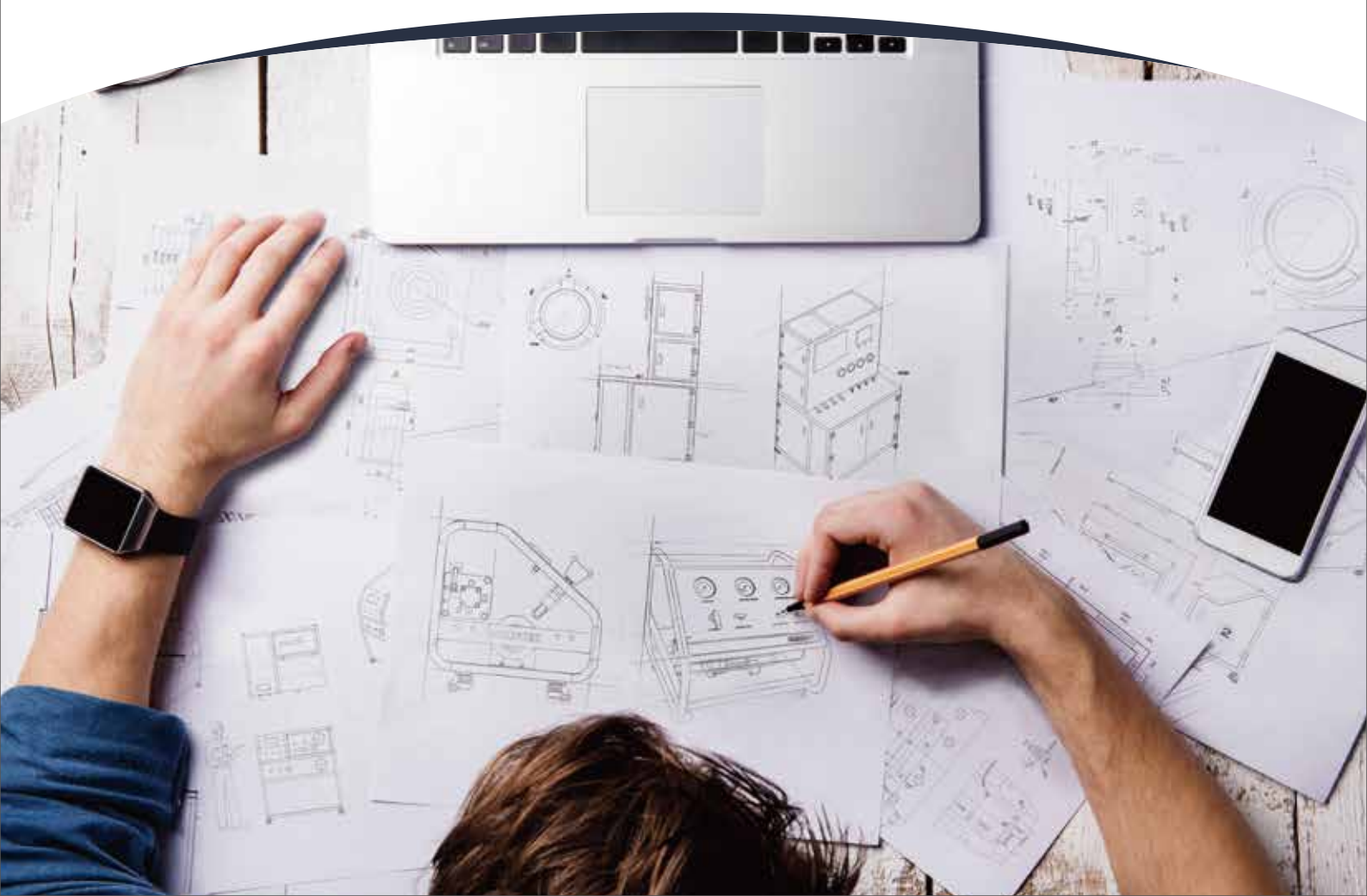
SPECIFICATION

Model	Max.Pressure(kg/cm ²)	Flow rate(ml/min)	Inlet	Outlet
PSMVT-50	1,000	50	1/4" NPT	1/4" NPT
PSMVT-140	500	140		
PSMVT-220	350	220		
PSMVT-330	220	330		

Motor specification			
Voltage(v)	Power(kw)	Explosion Proof	Ambient Temperature(°C)
220/380	0.75	IP55	-20°C ~ +40°C

PRESSURE TESTING

which is provided with order-made service





Portable Pressure Testing

compact testing with compact operation

- Available for gases or liquids
- Applied in various application such as internal pressure, air tightness, leak, bursting
- Operated safely due to the safety valve when over pressure occurs
- Compact design with reasonable price
- Control with easy operation

Multipurpose Pressure Testing

testing where fluids are filled in separate vessels for use control at the desired pressure.

- Available for gases or liquids
- Applied in various application such as internal pressure, air tightness, leak, bursting
- Be discharged by constant pressure (options: pressure vessel)
- Operated safely due to the safety valve when over pressure occurs
- Be movable with casters
- Controlled with automatic or manual (option)



Burst, leakage for Valves Testing

pressure testing for leak and durability of valves and high pressure fitting

- Limit measurement of fatigue&burst or leak testing
- Less pulsation with separate pressure vessel
- Increasing pressure of step by step and repeating test
- Operated safely due to double safety fuction
- Controlled with automatic or manual (option)





Hydrostatic Testing

internal pressure and leakage testing

- Hydrostatic (internal pressure and leak) testing
- Alarm function when the leak occurs under setting
- Increasing pressure of step by step and repeating test
- Check real-time the sample with CCTV or a monitor (options)
- Operated safely due to double safety function when over pressure occurs
- Controlled with automatic or manual (in manual operation, it isn't available for leak alarm function and increasing pressure of step by step.)

External Pressure Testing

testing by pressuring to sample after increasing gas or liquid to separate pressure vessel

- Available for gas or liquid
- Available for external testing or molding by pressuring to sample
- Sensor/machinery of measure device, simulation like subsea, destructive testing
- Operated safely due to double safety function when over pressure occurs
- Controlled with automatic or manual (options : touch screen, cover(open/close),vent, etc.)



High Pressure Cleaning for Orifice Module

high pressure cleaning for solving nozzle blockage of orifice module



- Whole material of stand : Stainless steel
- Easy detachment of orifice module
- Recycle of liquid with reservoir tank
- Control with easy operation



Propane pressure testing

propane pressure testing

- For propane only
- Cooling compression heat through the cooling coil
- Be discharged by constant pressure (options : pressure vessel)
- Operated safely due to the safety valve when over pressure occurs

Oxygen gas filling

- For oxygen only
- Be economical by refilling oxygen
- Gas will be recycled to gas suction by safety valve when over pressure occurs



Liquid and Nitrogen injection system

available for injecting, collecting and recycling of liquid and using the vacuum and nitrogen

- All-in-one for injecting, collecting and recycling of liquid
- Injection for liquid and the vacuum
- Precision test of undersea acoustic sensor





Bolt Tensioner Pump

bolt tensioner pump to tight the bolt tensioners

- Lightweight pump with hydraulic pressure for easy and quick bolting operation and movement
- Compact design consisting of pressure gauge, valves, regulators
- Be applied in various industry such as oil&gas, subsea, wind turbin, etc.

Model	Max.pressure(bar)	Weight(kg)	Dimension(mm)		
			length	width	height
PBT-1500	1,500	27	488	337	378
PBT-2100	2,100				

Special Pressure Testing Equipment

testing for internal pressure and leak of liquid

- Produced with special purpose to meet customers' requirement



Pressure Testing for Rental

available for rental

- Available for rent when user want period
- Available for gas or liquid
- Applied in various application such as internal pressure, air tightness, leak, bursting
- Operated safely due to the safety valve when over pressure occurs

Pumster products which was applied in various application

Pumster products are applied in various application.

Leak testing in explosion proof purpose



Bursting testing



Leak testing



- Autoclave increasing(N2)
- CIP(Cold Isostatic Press)



Testing module for torpedo maintenance



Testing module for secondary increasing pressure and filling from low-pressure compressor



Testing module for increasing pressure and filling and spraying with propane and butane



Testing module for increasing pressure and re-filling ethylene with 500L



Testing module for increasing pressure hydrogen(H2)



