

# LSD SERIES

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Single stage & Double driven

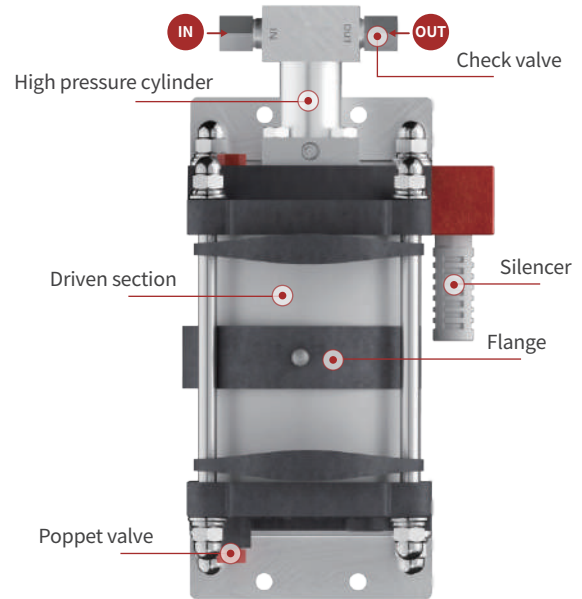
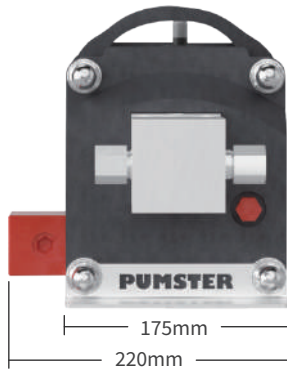
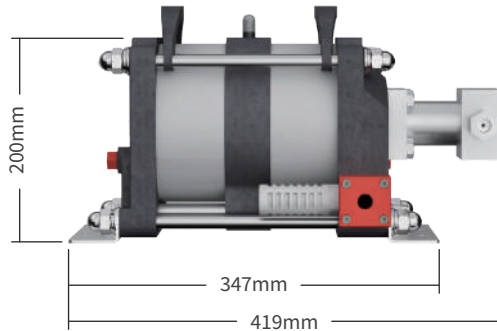
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Liquid Pump LSD consists of single stage and double driven parts.

There is **5 types depending on compression ratio.**

( compression ratio: 1 : 100 / 160 / 300 / 440 / 700 )

# LSD SPECIFICATION



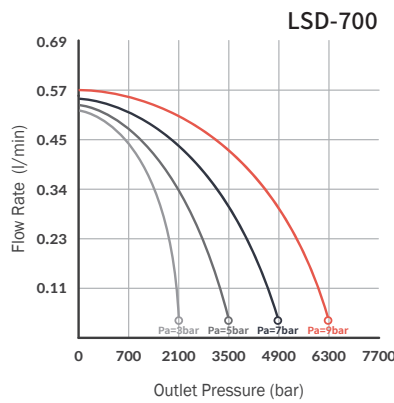
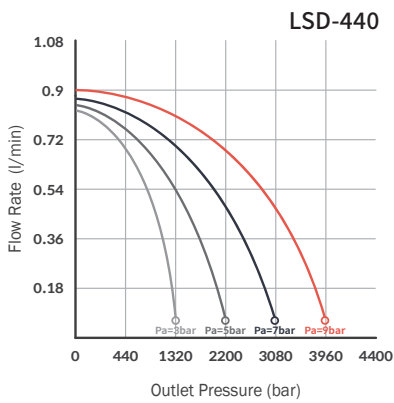
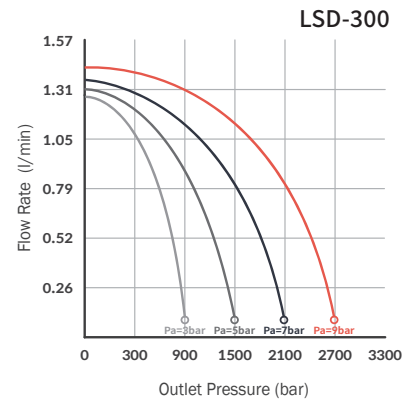
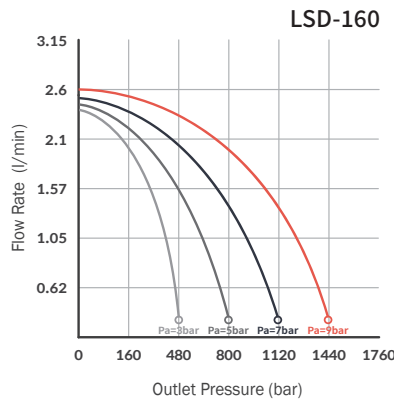
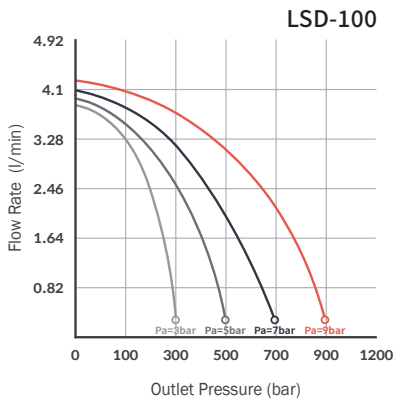
※ Please contact sales staff if you need further assistance.

Model	LSD - 100	LSD - 160	LSD - 300	LSD - 440	LSD - 700
Ratio	1 : 100	1 : 160	1 : 300	1 : 440	1 : 700
Air Drive Pressure (kg / cm <sup>2</sup> )	5 ~ 10				
Max. Pressure (kg / cm <sup>2</sup> )	700	1,120	2,100	3,080	4,900
Connections (Inlet / outlet)	1/2"PT / 9/16" 18 UNF				
Weight (kg)	17				

※ M.P(kg/cm<sup>2</sup>) = Ratio \* Air Drive Pressure(kg/cm<sup>2</sup>) ※ M.P is calculated with 7 bar(standardized air pressure).

※ Weight is approximate value.

# LSD PERFORMANCE CURVES



**Theoretical charging time formula**

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

\* Outlet pressure (Pb) = IPI  
 (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

**P<sub>A</sub>** Suction liquid  
**P<sub>B</sub>** Discharging liquid  
**P<sub>L</sub>** Air drive

