

Air Operated Diaphragm Pump/Metal type

Air operated diaphragm pump. Available for various materials: Organic solvent, slurry liquid and viscous liquid, also acid and alkali liquid

- Safety design, Explosion-proof and fire-proof type.
- No overload.
- Easy operation and adjust output volume.
- Self-absorb type, no absorbing water required.

Easy to change position of piping port



Specification

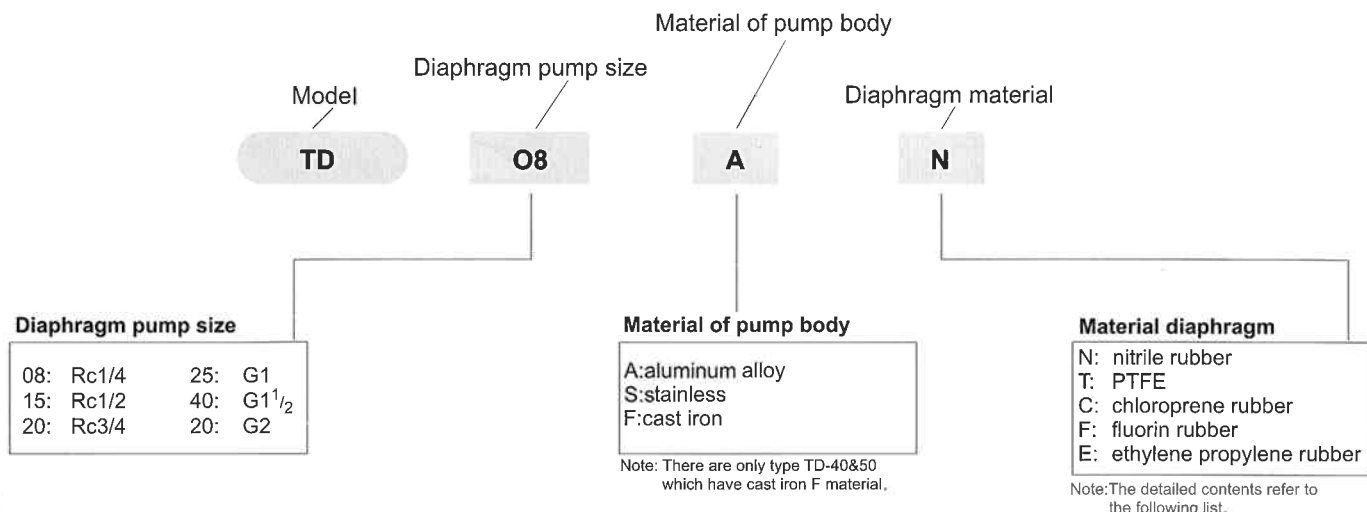
Series	Material of pump body	Max output	Pump caliber		Air supply joint caliber	The solid of material scope	Weight
			Inhalation	Exhalation			
TD-08	aluminum alloy	13L/min	Rc1/4	Rc1/4	Rc1/4	Below ϕ 1mm	1.8kg
	stainless steel						3.8kg
TD-15	aluminum alloy	35L/min	Rc1/2	Rc1/2	Rc1/4	Below ϕ 2mm	4.1kg
	stainless steel						7.1kg
TD-20	aluminum alloy	54L/min	Rc3/4	Rc3/4	Rc1/4	Below ϕ 2mm	5.5kg
	stainless steel						11.5kg
TD-25	aluminum alloy	128L/min	G1	G1	Rc1/4	Below ϕ 3mm	8.4kg
	stainless steel						15.3kg
TD-40	aluminum alloy	341L/min	G1 ^{1/2}	G1 ^{1/2}	Rc1/2	Below ϕ 6mm	19.9kg
	stainless steel						33.1kg
	Cast iron						34.5kg
TD-50	aluminum alloy	511L/min	G2	G2	Rc1/2	Below ϕ 6mm	20.8kg
	stainless steel						35.8kg
	Cast iron						37.2kg

Note) • Max exhalation above is the max output volume of clear water when usage air compress is 0.7 MPa, and elevation height is 0.
• Diaphragm is made by rubber.

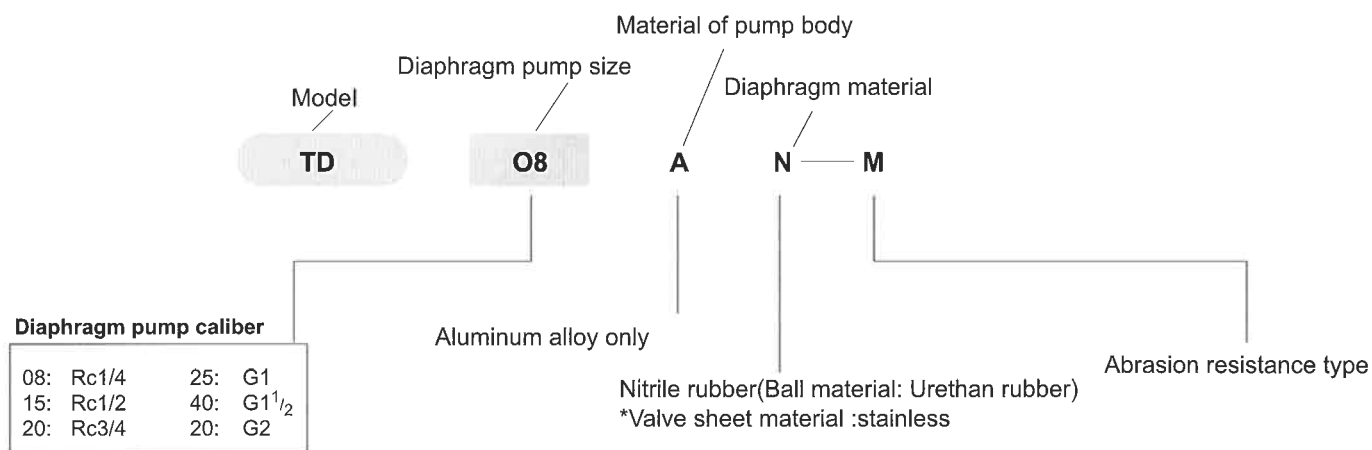
General Specification:

- Usage air pressure 0.2~0.7MPa.
- Highest usage viscosity 3000 mPa·s.
- Max inhalation elevation height is 6m (clear water).
- Usage temperature range (fluid & environment temperature)
0~+60°C (but no frozen)
- Lube oil: use [oil such as JIS K22 13-1 Type (non-add turbine oil ISO VG32)]
(The material of diaphragm is chloroprene rubber or ethylene propylene rubber, please consult to us in details.)

Standard Specification



Anti-wastage Specification:

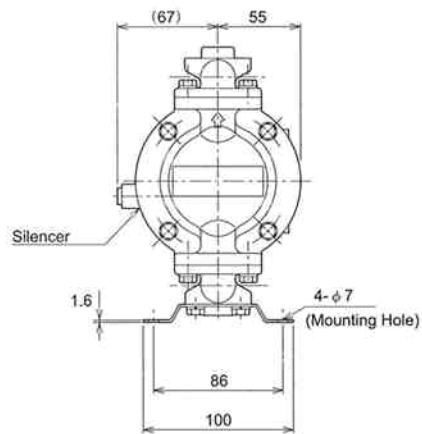
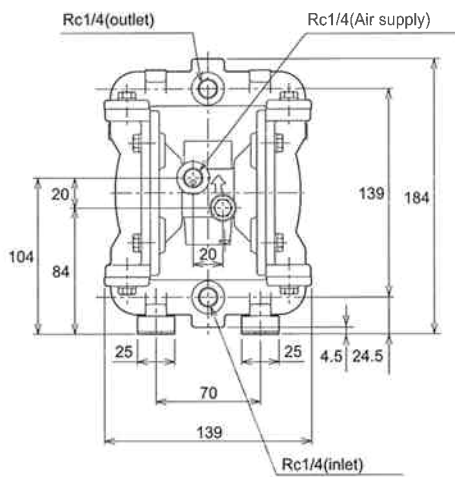


Diaphragm material list

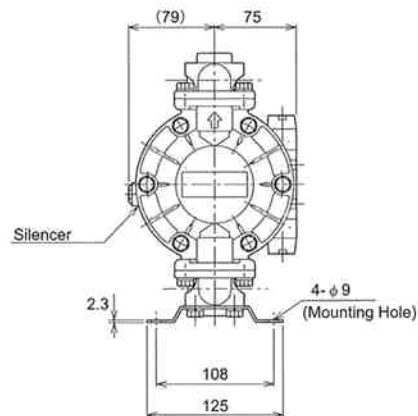
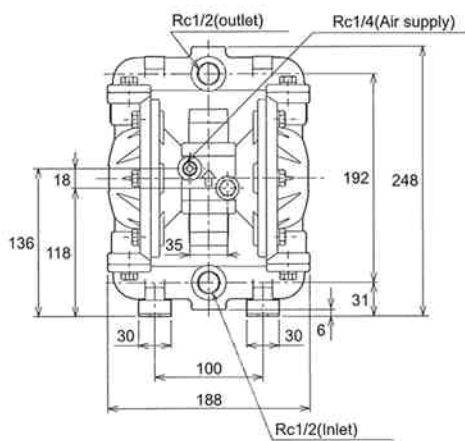
Model	Diaphragm pump caliber	Material of pump body	Diaphragm material				
			nitrile rubber	PTFE	Chloroprene rubber	fluorin rubber	ethylene propylene rubber SANTPLENE(25-50)
TD-08	Rc1/8	aluminum alloy	⊙	⊙	○	○	○
		stainless	○	⊙	○	○	○
TD-15	Rc1/2	aluminum alloy	⊙	⊙	○	○	○
		stainless	○	⊙	○	○	○
TD-20	Rc3/4	aluminum alloy	⊙	⊙	○	○	○
		stainless	○	⊙	○	○	○
TD-25	G1	aluminum alloy	⊙	⊙	○	○	○
		stainless	○	⊙	○	○	○
TD-40	G1 ^{1/2}	aluminum	⊙	○	○	○	○
		alloy	○	⊙	○	○	○
		stainlesscast iron	⊙	○	○	○	○
TD-50	G2	aluminum	⊙	○	○	○	○
		alloy	○	⊙	○	○	○
		stainlesscast iron	⊙	○	○	○	○
Ball material	TD-08~20	nitrile rubber	PTFE	chloroprene rubber	fluorin rubber fluorin rubber(25)	erhylene propylene rubber SANTPLENE	
	TD-25~50	nitrile rubber	PTFE	chloroprene rubber	Teflon rubber(40-50)		

Note) Mark ⊙ 'stands for standard products, and mark ○ 'stands for substandard products.

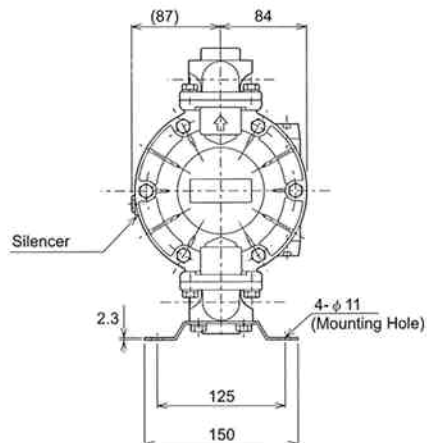
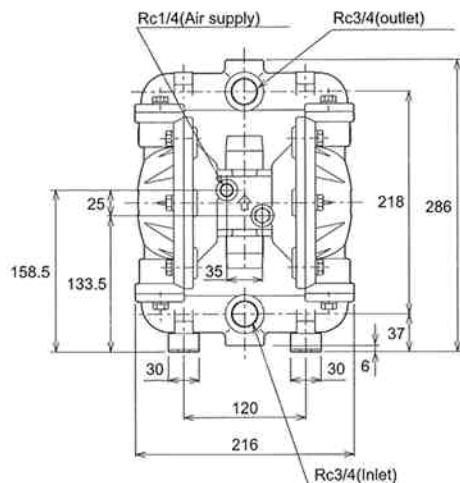
TD-08(Metal type)



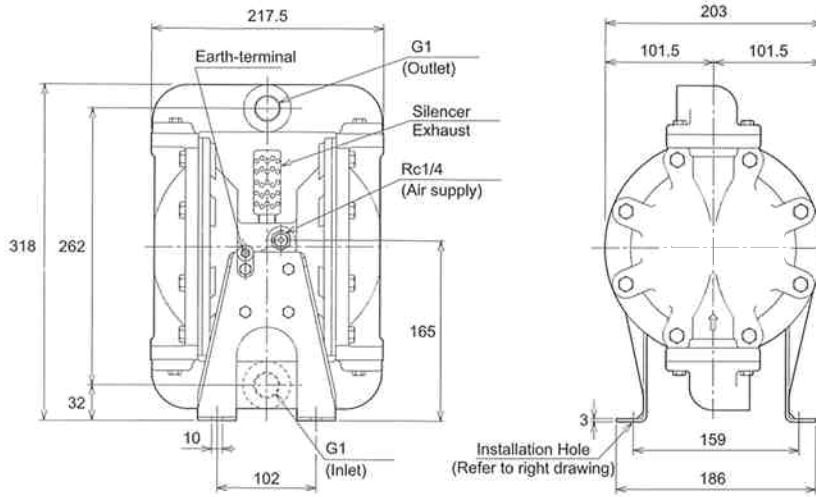
TD-15(Metal type)



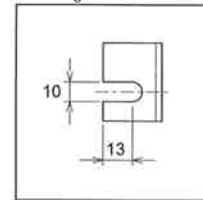
TD-20(Metal type)



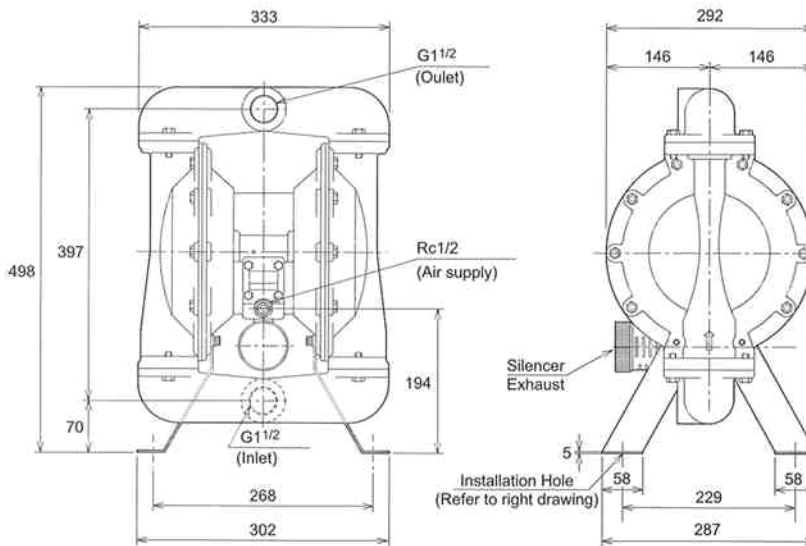
TD-25(Metal type)



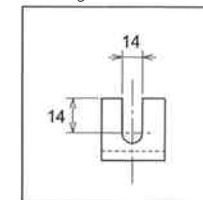
The detailed drawing of mounting hole



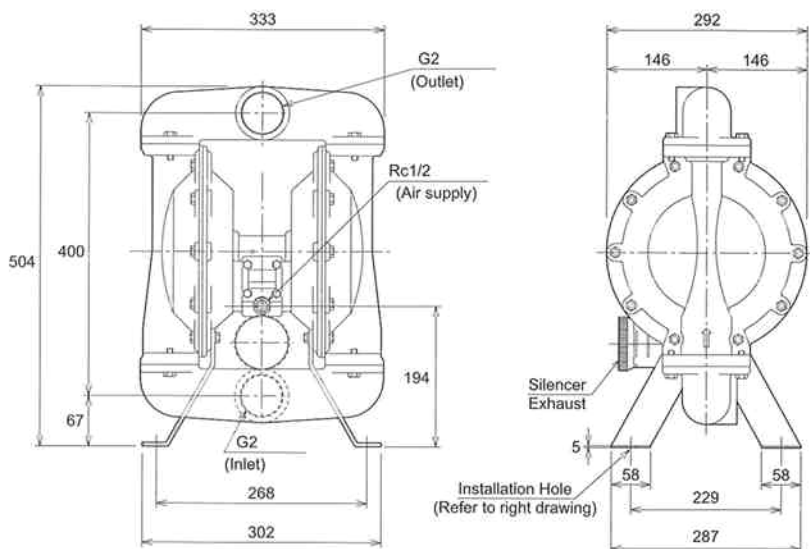
TD-40(Metal type)



The detailed drawing of mounting hole



TD-50(Metal type)



The detailed drawing of mounting hole

