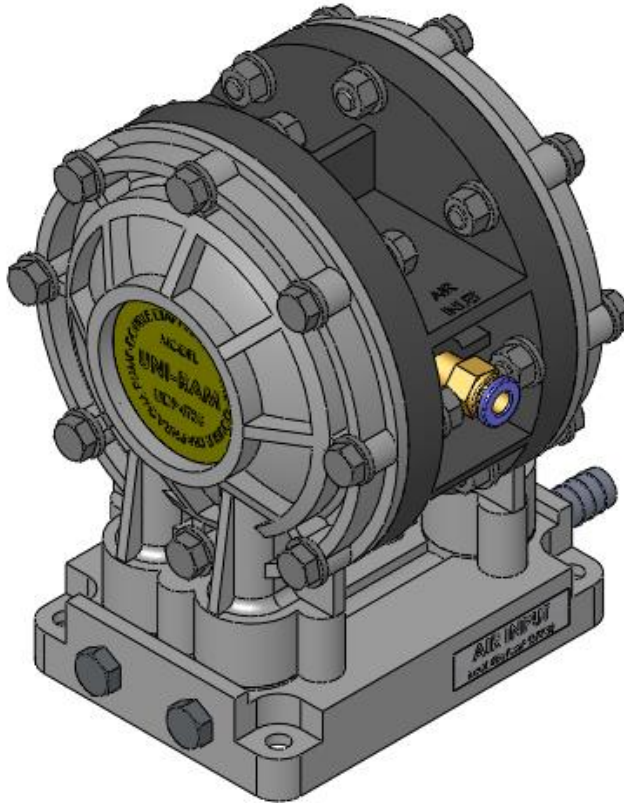


Uni-ram Dual Diaphragm Pump

UDP Series



REV. JUNE2025

1.888.610.7664



www.calcert.com

sales@calcert.com

CAUTION: TO AVOID THE DAMAGE TO THE PUMP, DO NOT SUPPLY AIR PRESSURE HIGHER THAN 100PSI (7 Kg/cm²)

These pumps have been developed as a compact yet powerful air operated pump for industrial and commercial applications.

		Technical Specification							
Series		UDP2			UDP4			UDP5	
Model		UDP2TA	UDP2TAB	UDP2TS	UDP4TA	UDP4TS	UDP4TSS	UDP5TA	UDP5TS
Compatibility		most of common solvents and aqueous solvents							
Construction		Dual PTFE diaphragm pump							
Diaphragm size		2"			4"			5"	
Construct ion material	Centre Body	Electro-Static Discharge POM							
	Housing and Base Plate	Electro-Static Discharge POM			Electro-Static Discharge POM		Stainless Steel	Electro-Static Discharge POM	
	Valve Ball	PTFE		Stainless Steel	PTFE	Stainless Steel		PTFE	Stainless Steel
Operating Pressure		2.8-6 Kg/cm² (40-87psi)							
Maximum air pressure		7 Kg/cm² (100 psi)							
Air consumption		26.9L/Min (0.95 CFM)			56.6L/Min (2 CFM)			212L/Min (7.5 CFM)	
Output (per minute@85psi)		8.0L (2.1Gal)			12L (3.2Gal)			45L(11.9Gal)	
Priming Vacuum @75psi		24kPa (7" Hg)							
Suction Vacuum @75psi		91kPa (27" Hg)							
Exhaust		1/4" OD Tube						Silencer	
Liquid Inlet:		3/8" Hose Barb	8MM OD Comp.	3/8" Hose Barb	3/8" Hose Barb			1/2" Hose Barb	
Liquid Outlet:		3/8" Hose Barb	6MM OD Comp.	3/8" Hose Barb	3/8" Hose Barb			1/2" Hose Barb	
Overall size (LxWxH)		4"x 5" x 3" (10cmx13cmx8cm)			5.5" x5"x 6.5" (14cmx13cmx17cm)			7"x6.5"x9" (18cmx17cmx23cm)	
Weight		0.6kg (1.3 lbs)			1.3kg (2.75lbs)		2.5kg (5.6lbs)	2.6kg (5.7lbs)	
Mounting		4 Mounting Holes in Base Plate							

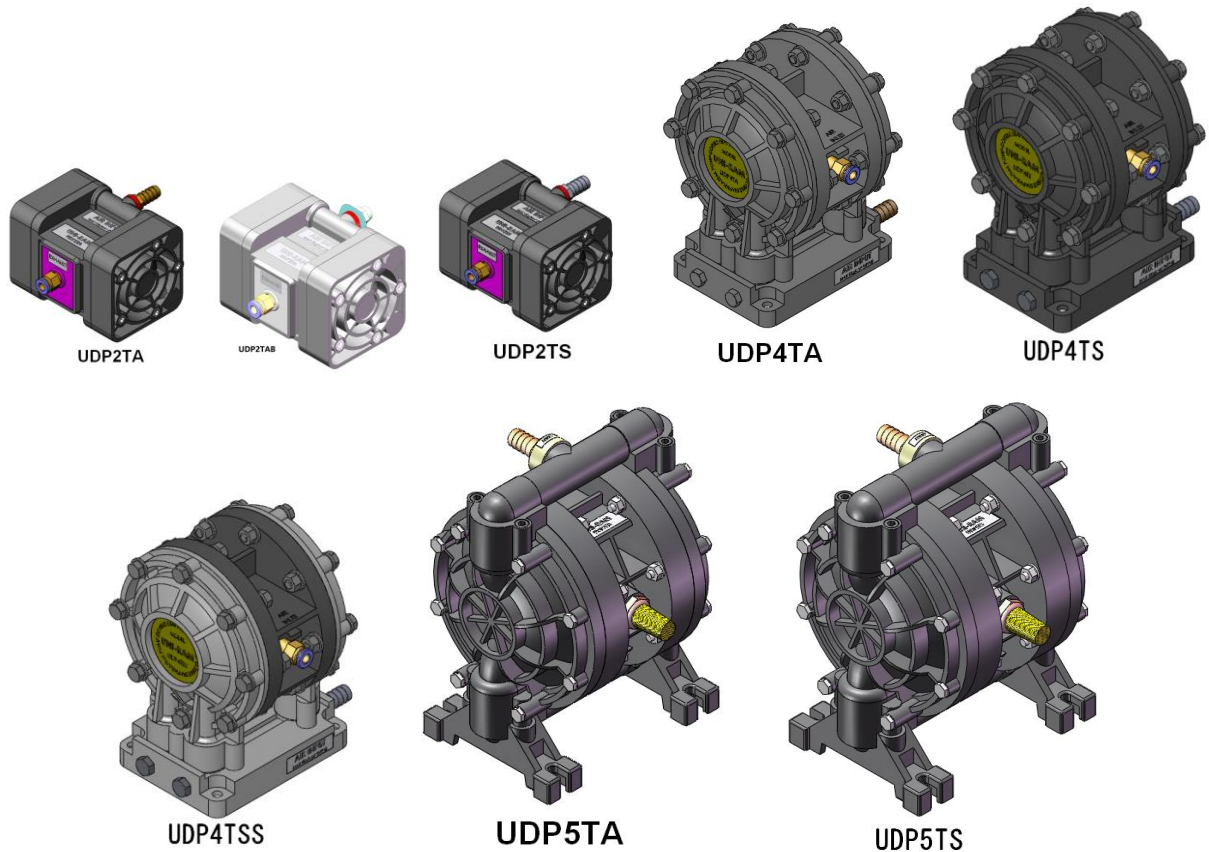
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Caution: For liquid containing small solid particles, use TS version only and mount the pump with diaphragm in horizontal position.

Note: Use of properly lubricated air will minimize wear of moving parts and prolong service life. Pressure Regulator must be installed in line to prevent over pressure of air supply.

Service

Pump may stop working when excessive amount of water, oil, or other liquid is introduced into the pump by air supply. In most such cases, the pump may be reactivated by the following procedures. Using air Blow Gun, blow air of about 70 psi (5kg/cm²) into Air Inlet Hose Barb and the end of Exhaust Silence Tube alternatively to blow out the water, oil, etc. as much as possible. If the pump does not start, the pump must be repaired or replaced.

Warranty

Uni-Ram Corporation warrants this product for twenty-four (24) months from purchase date to be free from defects in materials and workmanship. Uni-Ram Corporation will replace, free of charge, to the original purchaser, any defective product or its component part returned to Uni-ram for inspection.