



DOUBLE DIAPHRAGM TRANSFER PUMPS

WORKING PRINCIPLE

The LARIUS 2 and LARIUS 4 double diaphragm pumps are an efficient solution for the transfer and transport of low-medium and high-viscosity fluids. The double diaphragm pumps are composed of two chambers that, in alternating phases, “suction” and “transport” the product. The double diaphragm pumps are used for the transfer of liquids, to power, at low-pressure, different work points simultaneously and to use a wide range of chemical products (glues, lacquers, paints, inks, etc...)

ADVANTAGES

- ATEX certification
- Quick priming and immediate flow of product
- Outer construction is anti-corrosion and anti-leakage in order to guarantee clean fluid substitution
- The pump is never immersed in the drum: it is only immersed the suction hose
- They are not damaged if used dry
- Non-lubricated air supply
- Speed fine tuning while maintaining the high pressure
- The flow reduces the work cycles and wear and tear
- Maintenance reduced to a minimum: low internal volume reduces discharge and facilitates cleaning
- Mounted on wall brackets or directly on the tank

Double diaphragm pumps LARIUS 2 - LARIUS 4 ATEX certified: II 2G cIIB T4

LARIUS [®]	L1	L2	L4	L5	L6
Use	Transfer of low and medium viscosity fluids	Transfer of low and medium viscosity fluids	Transfer of medium and high viscosity fluids	Transfer of low and medium viscosity fluids	Transfer of low and medium viscosity fluids
Pump material	Aluminum	Aluminum - stainless steel			
Diaphragm material	Polyethylene - Santoprene (TPE)	PTFE - Rubber	PTFE - Rubber	Polyethylene - Santoprene (TPE)	Polyethylene - Santoprene (TPE)
Pressure ratio	1:1	1:1	1:1	1:1	1:1
Max. flow rate	26 l / min	21 l / min	40 l / min	200 l / min	400 l / min
Max supply pressure	7 bar	7 bar	8 bar	8 bar	8 bar
Max air consumption l/m	200 l/min	120 l/min	190 l/min	1,700 l/min	2,700 l/min
Air inlet	¼" GAS	¼" GAS	¼" GAS	½" GAS	½" GAS
Material inlet	3/8" GAS	½" GAS	1" GAS	1 - ½" GAS	2" GAS
Outlet material	3/8" GAS	½" GAS	1" GAS	1 - ½" GAS	2" GAS
H metres of suction	5 mt	5 mt	5 mt	5 mt	5 mt
Dimensions	210x170x230	170x230x196	205x320x220	400x290x450	430x340x530
Weight	4 kg	6 kg	9 kg	16 kg	29 kg
Maximum diameter of solid parts	2.4 mm	2.4 mm	3 mm	6 mm	6.4 mm
Main applications	Wide range of chemical products: lacquers, inks, paints, etc.				