



The masters of fluid handling.

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AIR-OPERATED DOUBLE DIAPHRAGM PUMPS DPM-50

Air-operated double diaphragm pumps DPM-50

made by Hallbauer Industries GmbH, Germany



DPM-50 1/2" Diaphragm pump



DPM-50 1/2" Diaphragm mixing pump

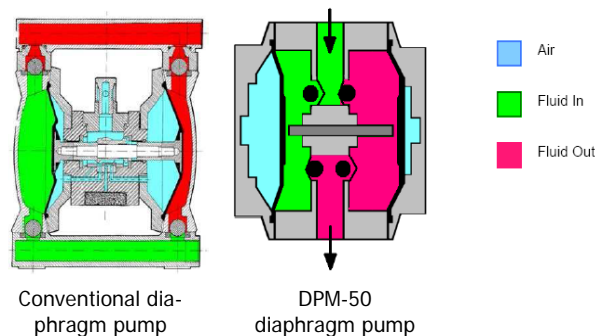
Innovative DPM-50 diaphragm pump features

In most conventionally designed diaphragm pumps the wet side is the external side and the dry side is in the internal one. As a consequence, these pumps generate increased friction, pressure loss, higher air consumption, strongly pulsating flow and require a sophisticated maintenance procedure.

Innovative DPM-50 diaphragm pumps work in a different way:

The flow follows a straight and direct path, passing through the interior of the pump. In consequence of this innovative design, the DPM-50 serie presents the following advantages:

- Compact and straightforward design
- Reduced number of components
- Reduced air consumption
- Quiet and almost vibration-free operation
- Increased diaphragm life
- Extremely easy maintenance
- Longer service intervals
- In-line installation



Conventional diaphragm pump

DPM-50 diaphragm pump

Technical data

- 552 010 DPM-50 1/2" Diaphragm pump for lubricants, waste oil, antifreeze, water
- 552 011 DPM-50 1/2" Diaphragm pump for lubricants, waste oil, antifreeze, water, windshield wash, brake fluid
- 552 021 DPM-50 1/2" Diaphragm mixing pump for 1:1 solutions of antifreeze/water, wind shield wash/water

Maximum delivery	50l/ min - 12 gpm
Fluid inlet	1/2" NPSM (F) and flange (552 010 - 2 x 3/8" NPSM (F))
Fluid outlet	1/2" NPSM (F) and flange
Air inlet	3/8" NPSM (F)
Maximum working pressure	7 bar (105 psi)
Maximum fluid pressure	7 bar (105 psi)
Maximum suction head (dry pump)	6 m (20")
Maximum suction head (wet pump)	8 m (26")
Maximum size of solids	2,5 mm (1/8")
Maximum air consumption	360 NL / min
Weight	3,5 kg (9.4 lb)

	552 010	552 011	552 021
Wetted parts	Aluminium	Al-NiQ	Al-NiQ
Diaphragms	Hytrel®	Hytrel®	Hytrel®
Check balls	NBR	Acetal	Acetal

Tested at room temperature, with water and flooded pump with 80 mm positive suction.

