

Diaphragm Pumps
for agriculture, horticulture and more



Constant conveyance of fluids



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Diaphragm Pumps

Main Information

The construction of the rugged ZUWA double piston diaphragm pumps provides for a constant transport of fluids. The pumps work in a medium pressure range and offer excellent intake capacity.

Spraying herbicides and pesticides on small to mid size crops is the most frequent application of diaphragm pumps in agriculture and horticulture. The pumps are also suitable for whitewashing stables and for applying INDISPRON® D 110 against parasites in poultry farms.

For the use with acids a pump with propylene housing and VITON® diaphragm is available. The corrosion resistant pumps can be mounted on carts, commercial vehicles, tractors or trailers.

Applications:

- ▶ spraying herbicides and pesticides
- ▶ distributing liquid fertilizer
- ▶ spraying detergents and paint
- ▶ whitewashing stables
- ▶ chemical disinfection
- ▶ cleaning industrial installations

Features:

- ▶ pump housing nylon or polypropylene
- ▶ continuously adjustable pressure regulator with recirculation, can be used for agitation
- ▶ mechanical parts oil bath lubricated
- ▶ good dry run tolerance
- ▶ glycerine manometer (except for MC 8 and MC 18)

Drive Modes:

Pumps are flanged directly onto the motor.

- ▶ electric motors 230 or 400 V
- ▶ combustion engines 2- or 4-stroke (Honda)
- ▶ p.t.o. shaft (only for model MP 30)
- ▶ hydraulic drive



with electric motor



with combustion engine



diaphragm pump with p.t.o. connection



with p.t.o. shaft

Diaphragm Pumps

MC 8, MC 18 and MC 20

MC 8, MC 18 and MC 20

- ▶ for spraying applications in parks, lawns, nurseries and small to mid size crops
- ▶ for industrial applications
- ▶ for water soluble detergents or paint

Diaphragms are available in NBR, Viton® or Desmopan®.
For acids: MC 8 and MC 18 with polypropylene housing and VITON® diaphragm.



MC 20 with 2-stroke motor



MC 8 with electric motor



MC 18 with electric motor acid version



MC 20 with electric motor

Technical details

Model	Motor power			rpm	Flow rate max.	Pressure max.	Connections in/out	Weight	Dimensions cm	Art.No.
	kW	V	A							
MC 8 *	0,44	230	3,2	1400	7,8 l/min	15 bar	16,4 x 10,5	9 kg	32 x 22 x 32	120652
	0,44	400	3,2	1400	7,8 l/min	15 bar	16,4 x 10,5	8 kg	32 x 24 x 22	120653
MC 8 * for acids	0,44	230	3,2	1400	7,8 l/min	15 bar	16,4 x 10,5	9 kg	32 x 22 x 32	1206421
MC 18 *	0,44	230	3,2	1400	11,9 l/min	15 bar	16,4 x 10,5	9,7 kg	32 x 22 x 32	1206412
	0,44	400	3,2	1400	11,9 l/min	15 bar	16,4 x 10,5	9,7 kg	32 x 24 x 22	1206413
MC 18 for acids	0,37	230	3,2	1400	11,9 l/min	15 bar	16,4 x 10,5	9,7 kg	32 x 22 x 32	1206422
MC 20 *	0,92	230	6	650	23 l/min	20 bar	18 x 10	15,6 kg	48 x 30 x 22	120603
	0,92	400	1,9	650	23 l/min	20 bar	18 x 10	15,6 kg	48 x 30 x 22	120635
MC 20 with 2-stroke motor	1,3	-	-	650	23 l/min	20 bar	18 x 10	10 kg	36 x 28 x 34	120604
MC 20 with 4-stroke motor	2,61	-	-	650	23 l/min	20 bar	18 x 10	25 kg	45 x 37 x 35	120643H

* Standard-Version with electric motor

Models MC 8 and MC 18 are available with combustion engine upon request. All models are available with different engine power.

Diaphragm Pumps

MC 25 and MP 30

MC 25 and MP 30

- ▶ for spraying applications in parks, lawns, nurseries and small to mid size crops
- ▶ for industrial applications
- ▶ for water soluble detergents or paint

Diaphragms are available in NBR, Viton® or Desmopan®.



MP 30 with electric motor



MC 25 with combustion engine



MC 25 with electric motor



MP 30 with 4-stroke motor

Technical details

Model	Motor power			rpm	Flow rate max.	Pressure max.	Connections in/out	Weight	Dimensions cm	Art.No.
	kW	V	A							
MC 25 *	1,1	230	7,1	650	23 l/min	25 bar	18 x 10	15 kg	48 x 30 x 22	12064305
	1,1	400	3,2	650	23 l/min	25 bar	18 x 10	14 kg	44 x 27 x 33	12064306
MC 25 with 4-stroke motor	2,61	-	-	650	23 l/min	25 bar	18 x 10	25 kg	56 x 37 x 38	12064304
MP 30 with p.t.o. shaft	-	-	-	550	32 l/min	30 bar	23,5 x 11,6	6,6 kg	10 x 26 x 22	120627
MP 30 *	2,2	230	15,2	550	32 l/min	30 bar	23,5 x 11,6	29 kg	57 x 26 x 34	120624
	2,2	400	4,85	550	32 l/min	30 bar	23,5 x 11,6	28 kg	56 x 35 x 29	120625
MP 30 with 4-stroke motor	3,7	-	-	550	32 l/min	30 bar	23,5 x 11,6	30 kg	48 x 35 x 37	120622

* Standard version with electric motor



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