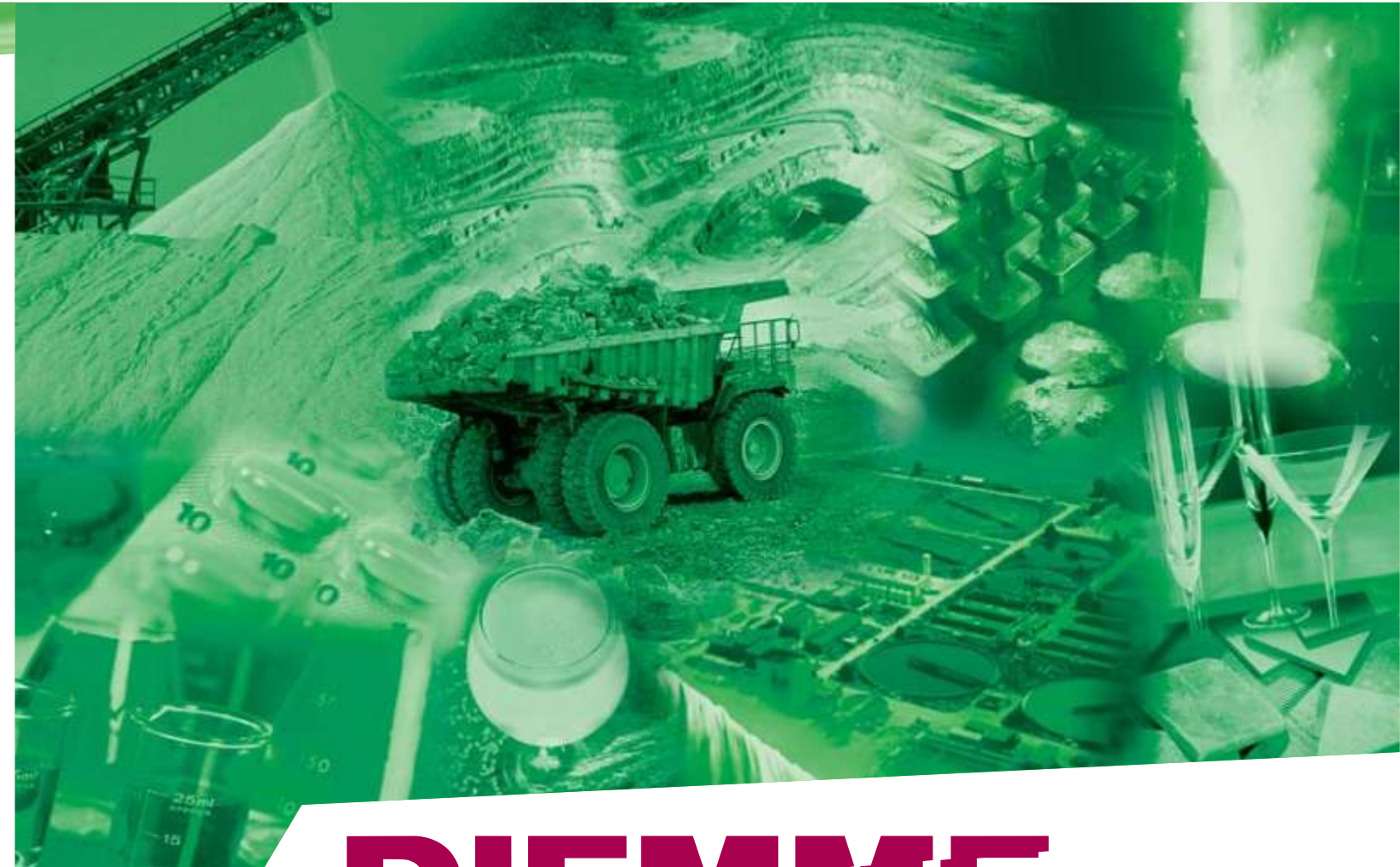


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Solutions and Systems

World wide leader in solid-liquid separation
technology for industrial processes

PUMPS



TIMBRO AGENTE

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modifiche che ritiene indispensabili al miglioramento della sua produzione.

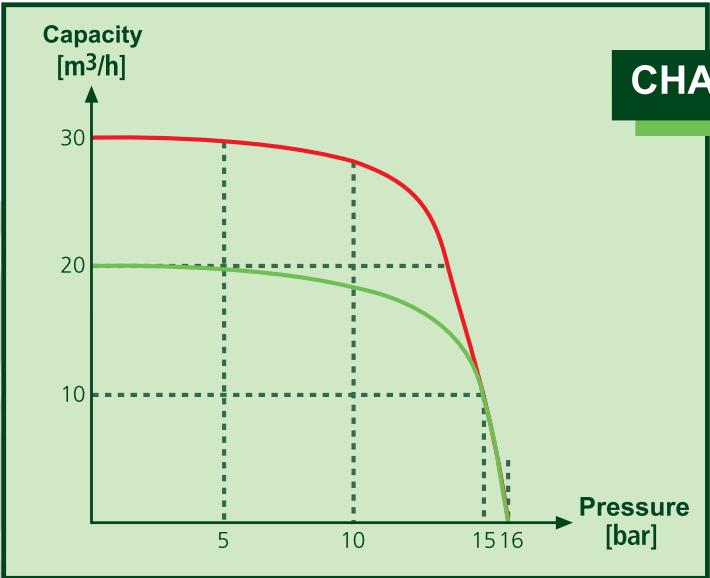
DIEMME S.p.A.
Via Bedazzo, 19 - 48022 Lugo (RA) - Italia
Tel. +39 0545 20611 - Fax +39 0545 30358

www.diemme-spa.com - filterdiv@diemme-spa.com

PUMPS

Piston-membrane pumps

DM/PM



DMPM-20
DMPM-30

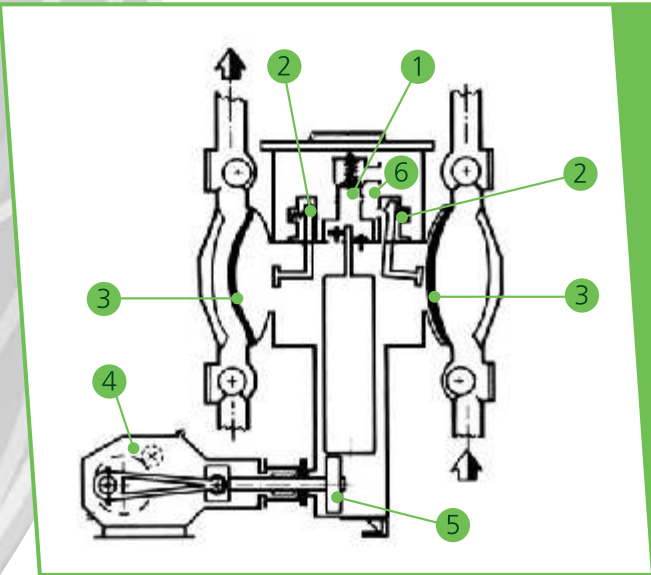
CHARACTERISTIC CURVES

Applications specially indicated for:

- Abrasive or corrosive liquids
- Filter-press feed
- Service where either delivery or suction and/or discharge pressure varied
- Heavy duty
- Low noise duty

Study construction:

- "Total Acces" for easy inspection and maintenance of any part
- Equipped with pulsation dumpers and instruments
- Sensing electrode for premature detection of membrane leakages (optional)
- Ball valves
- Membrane of suitable to-service material
- Belt and pulley coupling
- Assembled with drive unit on a common frame



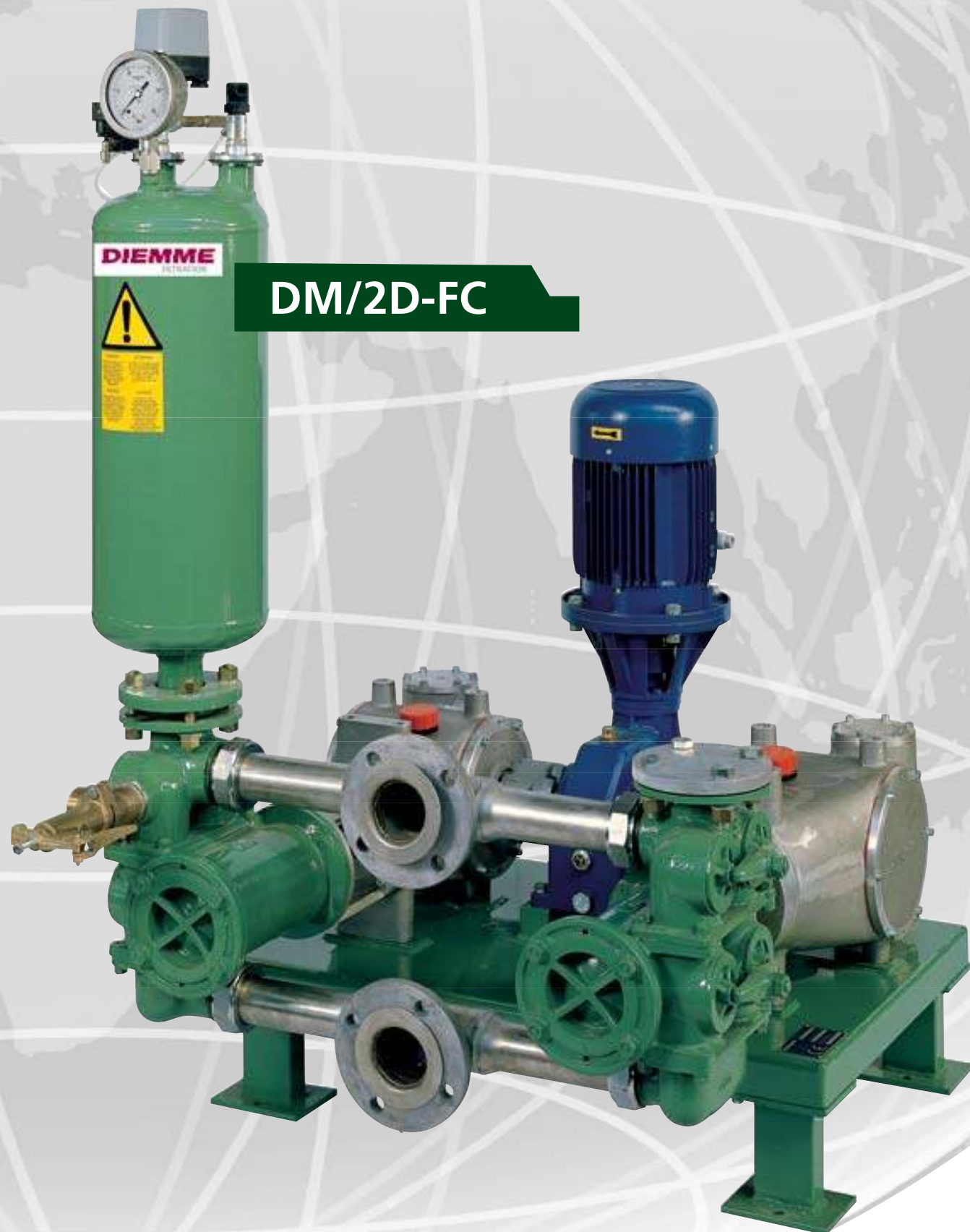
Operating principle

1. Pressure relieve valve
2. Gear box
3. Make up valve
4. Membrane
5. Piston
6. Oil tank

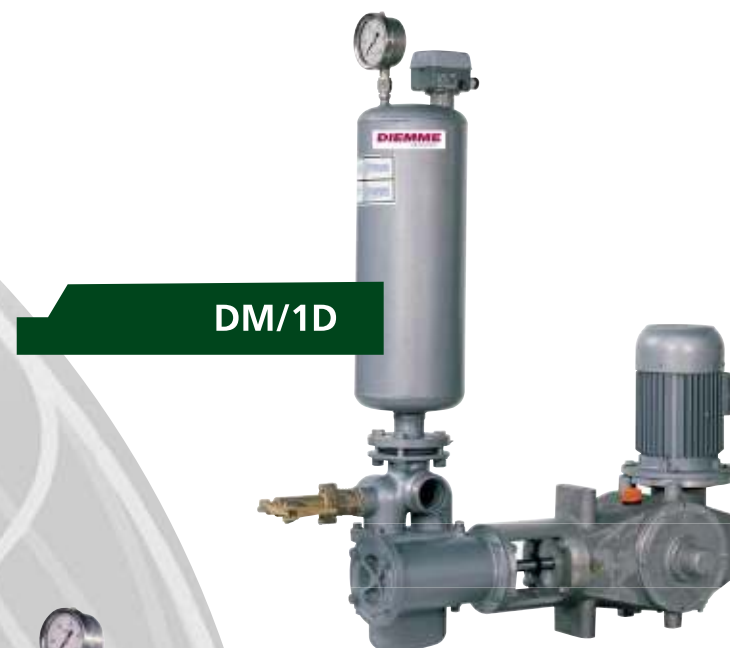
Model	Capacity [m³/h]	Pressure [bar]	Speed [rpm]	Piston [n°]	Membrane [n°]	Ball valve [n°]	Electric motor [kW]	Speed [rpm]	Length [mm]	Width [mm]	Height [mm]	Weight [Kg]	Suction conn.	Discharge conn.
DMPM-10	0 - 10	0 - 16	43	1	1	2	11	1450	2100	920	2530	1400	PN10, DN100	PN16, DN100
DMPM-15	0 - 15	0 - 16	58	1	1	2	11	1450	2100	920	2530	1400	PN10, DN100	PN16, DN100
DMPM-20	0 - 20	0 - 16	43	1	2	4	15	1450	2100	920	2530	1400	PN10, DN100	PN16, DN100
DMPM-30	0 - 30	0 - 16	58	1	2	4	18,5	1450	2100	920	2530	1400	PN10, DN100	PN16, DN100

PUMPS

Piston pumps



DM/2D-FC



DM/1D



DM/046-70



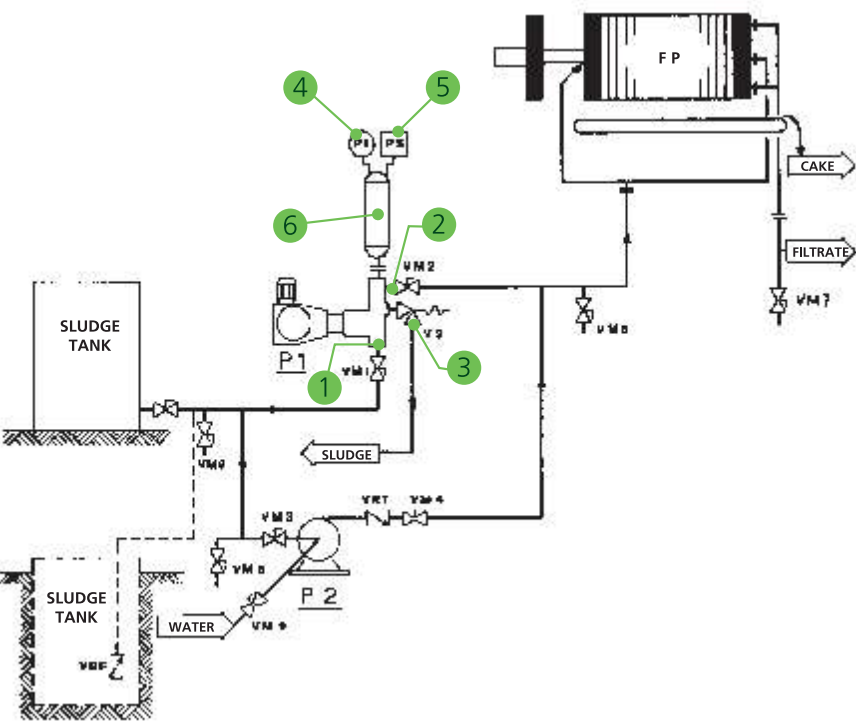
DM/1S

Characteristic:

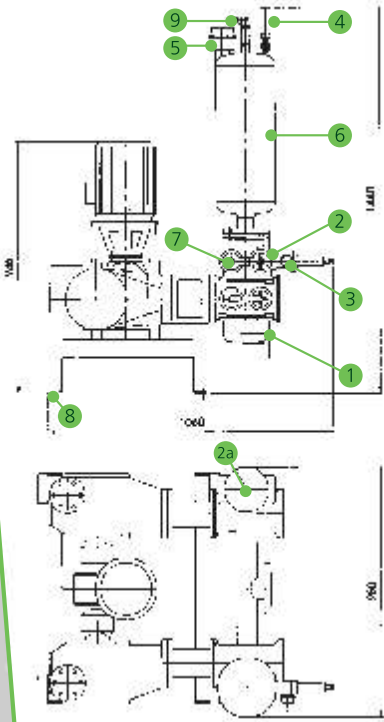
- Range of models of capacity from 1 to 12 m³/h, 12 bar
- Simple design and sturdy construction for continuous heavy duty
- Piston long stroke and low frequency
- Ball valves
- Easy access for simple maintenance service
- Pulsation dampener and pressure relieve valve
- Control instruments for automatic operation
- Special materials on request

PUMPS

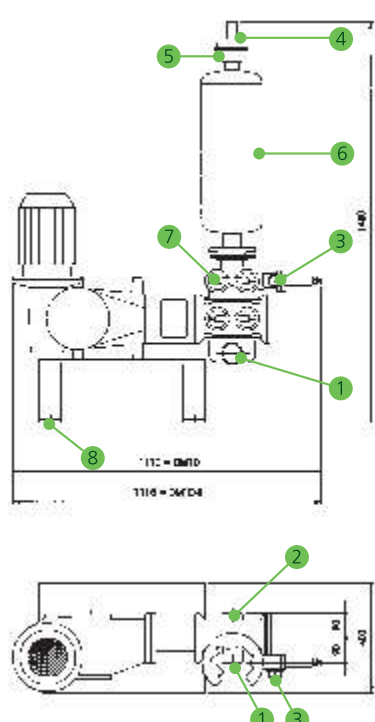
Piston pumps: operating principle



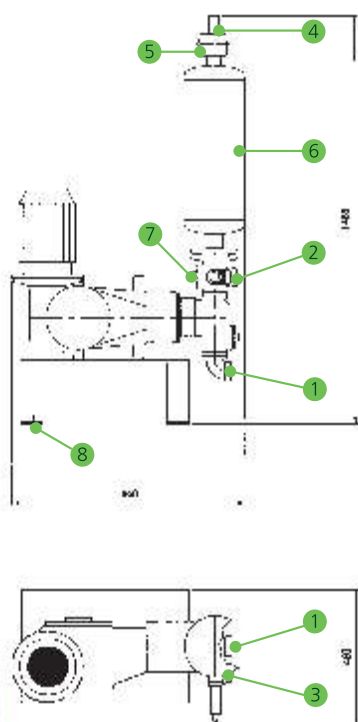
DM/2D-FC



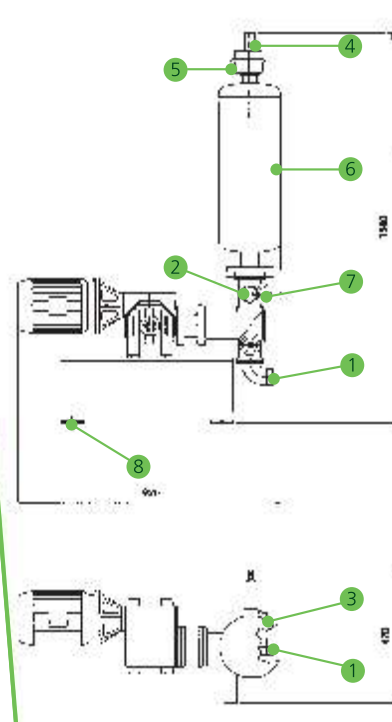
DM/1D



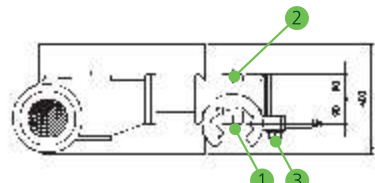
DM/1S



DM/046-70



DM/1D/S



Legend:

1. Suction
2. Discharge
- 2a. Add. discharge
3. Press. Safety valve
4. Press. gauge (0-25 bar)
5. Press. switch (5-15 bar) Press dumper
6. Inspection port
7. Fastening holes
8. Frequency converter

Model	Capacity [m ³ /h]	Pressure [bar]	Piston (action) [n°]	Piston [n°]	Piston Ø [mm]	Stroke [mm]	Frequency [1/min.]	Electric motor	Electric motor Power [kW]	Electric motor speed [rpm]	Length [mm]	Width [mm]	Height [mm]	Weight [Kg]	Inlet conn.	Outlet conn.	Safety valve conn.
DM/2D-FC	0 - 12	12	2	2	100	80	82,5/0	con inverter	4	1450	1060	950	1440	350	FL.S.O. DN-65	FL.S.O. DN-65	1 1/2" GAS (M)
DM/1D	4.0	12	2	1	100	80	51	-	3.0	1450	1110	420	1480	160	2 1/2" GAS (F)	2 1/2" GAS (M)	1 1/2" GAS (M)
DM/1D/S	5.0	12	2	1	100	80	72	-	4.0	1450	1115	420	1480	174	2 1/2" GAS (F)	2 1/2" GAS (M)	1 1/2" GAS (M)
DM/1S	2.5	12	1	1	100	80	72	-	3.0	1450	860	480	1455	140	2 " GAS (F)	2 " GAS (M)	1 1/2" GAS (M)
DM/046-70	1.2	12	1	1	70	70	72	-	1.5	1450	890	400	1380	60	2 " GAS (F)	2 " GAS (M)	1 1/2" GAS (M)