

PDMP - PNEUMATIC DOUBLE DIAPHRAGM PUMPS

The PDMP diaphragm pumps are characterized by exceptional performance, power and strength, making them ideal for pumping liquids with very high apparent viscosity up to 50000 cps (at 20°C), even if containing suspended solids. The stall-prevention pneumatic system assures a safe pump running and it does not need lubricated air.

Self-priming dry capacity even with considerable suction head, fine tuning of speed without pressure loss and the possibility of dry operation without suffering damage mean that these pumps offer unrivalled versatility. In addition, the huge choice of construction materials allows selection of optimum chemical compatibility with the fluid and/or environment without neglecting the temperature range. They are specifically designed for demanding applications with high humidity or in potentially explosive atmospheres (ATEX certification).



The PDMP diaphragm pumps consist of a stall-prevention centrally-housed pneumatic exchangers. The new generation diaphragms (Long Life profile) are fitted to its shaft. At the two ends, the two pump casings house the ball valves and seats of the product suction and delivery duct.

A = ball valves

B = pumping chamber

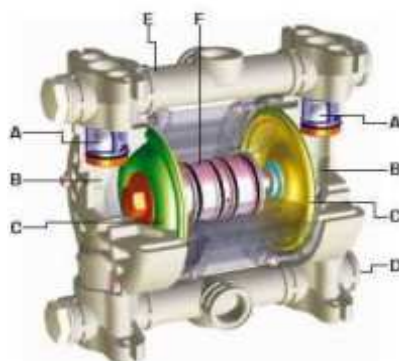
C1 = product-side diaphragm

C2 = air-side diaphragm

D = suction manifold

E = delivery manifold

F = pneumatic exchangers



Models	intake/delivery connections	air ports	body	flow rate l/m	max size diameter particles
PDMP01	1/4"	1/8"	PP	5	-
PDMP02	3/8"	3/8"	PP-ECTFE	17	0,5
PDMP03	1/2"	1/4"	PP-ECTFE-ALU-AISI316	30	2
PDMP04	1/2"	1/2"	PP-ECTFE-ALU-AISI316	50	3
PDMP05	1"	1/2"	PP-ECTFE-ALU	100	4
PDMP06	1"	1/2"	AISI316	90	4
PDMP10	1"	1/2"	PP-ECTFE	150	4
PDMP15	1"1/4	1/2"	PP-ECTFE-ALU-AISI316	220	5
PDMP25	1"1/2	1/2"	PP-ECTFE	340	6
PDMP26	1"1/2	1/2"	ALU-AISI36	340	6
PDMP50	2"	1/2"	PP-PVDF-AISI316	650	8
PDMP53	3"	1/2"	PP-PVDF	850	10

Common data:

Max head m 70

Max. air supply pressure 7 bar

Max suction lift: mid and C15 = 3 m; other models = 5 m.



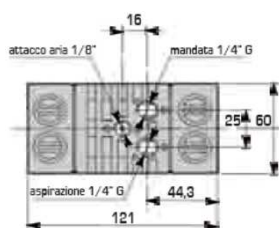
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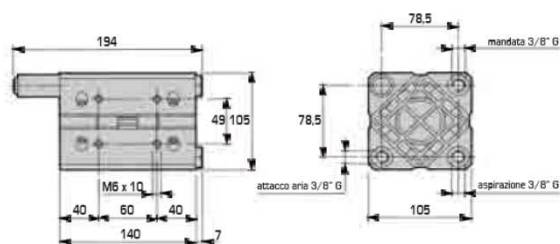
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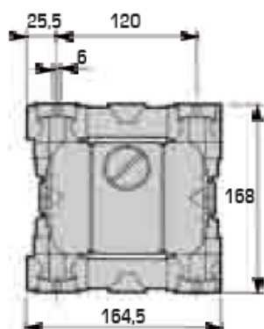
PDMP - PNEUMATIC DOUBLE DIAPHRAGM PUMPS dimensions



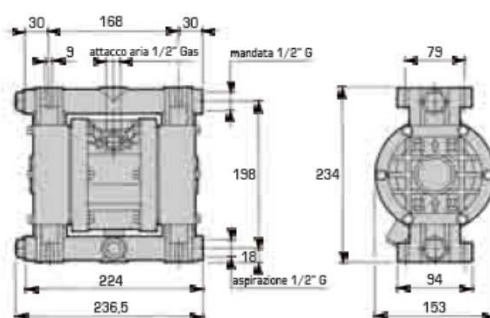
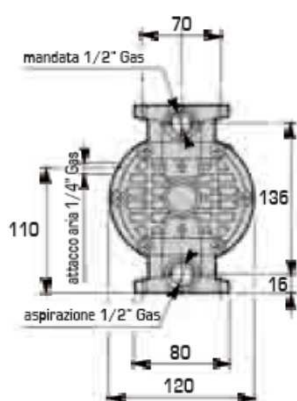
PDMP01



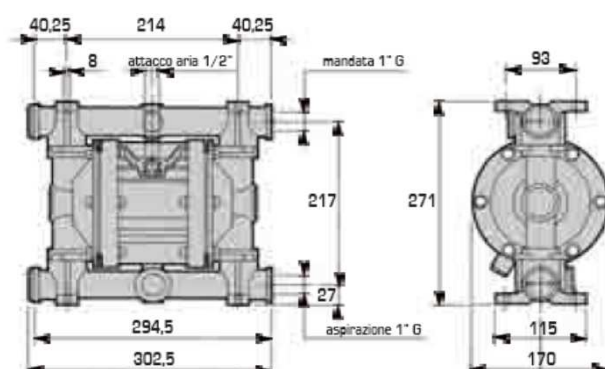
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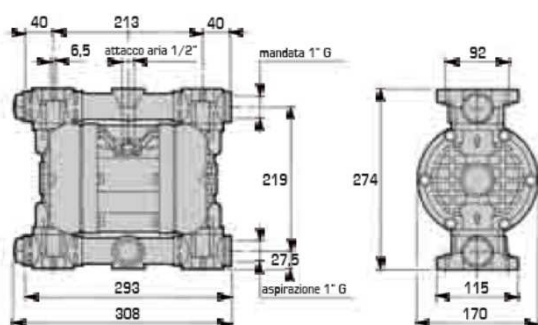
PDMP03



PDMP04



PDMP05



PDMP06



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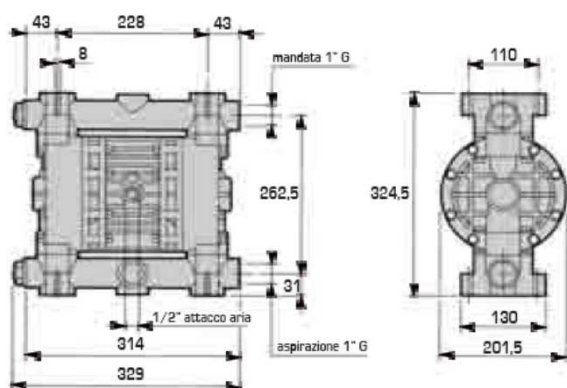
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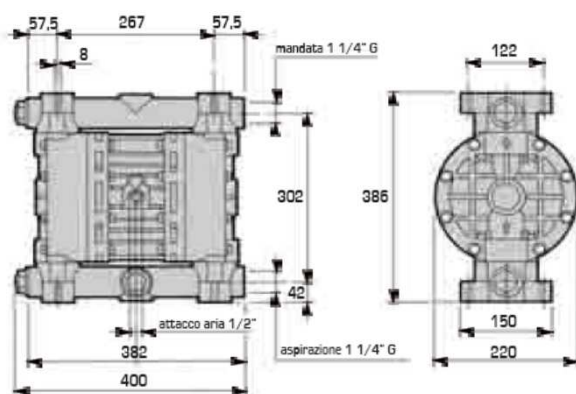
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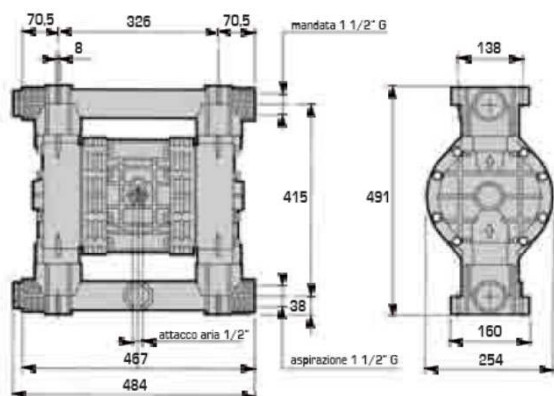
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PDMP10



PDMP15



PDMP25



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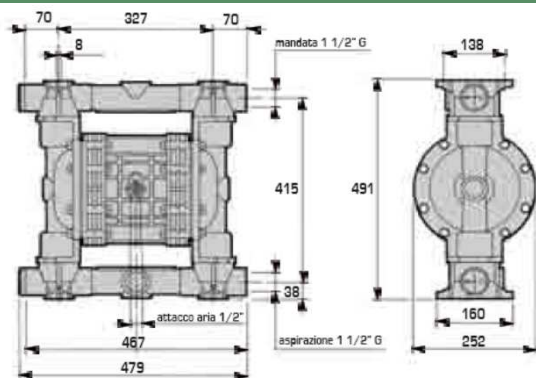
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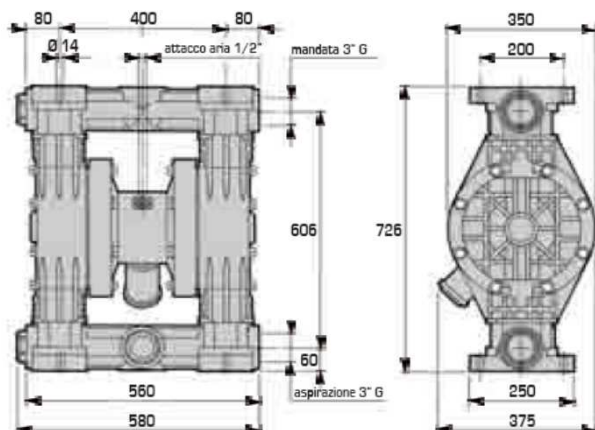
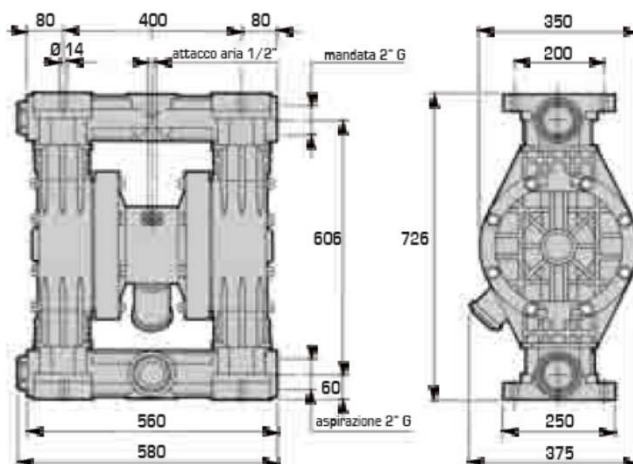
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PDMP - PNEUMATIC DOUBLE DIAPHRAGM PUMPS dimensions



PDMP26

PDMP50



PDMP53



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