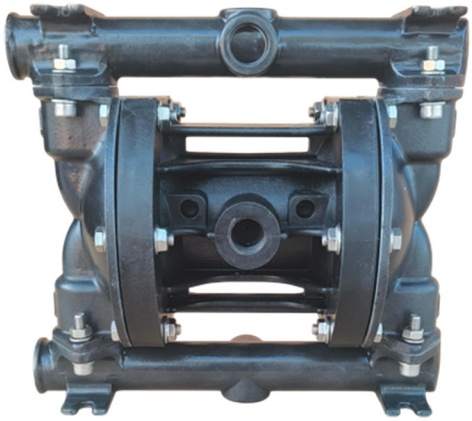
Ruby Black line
STRONG QUALITY INDUSTRIAL PUMP

Ruby Air Operated Diaphragm Pumps

Ruby 112

Construction materials: **ALUMINUM**

New pump line with a completely new design offering enhanced pumping capabilities. The modernized design ensures even higher performance while maintaining efficiency.



Benefits

- Optimal performance
- Economical air consumption with ecological design
- High efficiency in pressure/capacity
- Oil free operation
- No freezing
- New air valve design with fully controlled air flow
- Easy to disassemble and reassemble
- New generation PTFE diaphragms with an integrated design (compound) for long-life operation
- Ideal for abrasive, viscous, and shear sensitive media
- Potential to be submersible (on request)
- Possibility of use in dirty environments due to their enclosed design
- Easy manifold reversal
- Automatic suction
- Twin manifold option (two suction and two delivery ports)
- Excellent performance and value for money

Ruby 112 composition codes

Model	Pump Body	Center Section	Diaphragms	Ball Seats	Valve Ball	O-ring
Ruby 112	A : ALUMINUM	P:PP PC:PP+CF	T : PTFE+back up (EPDM Conductive)	V : PVDF P : PP S : AISI316 A : ALUMINUM	T : PTFE S : AISI 316	T : PTFE F : FKM

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Ruby Innovative Oil-Free Air Valve

The heart of the Ruby pump is our innovative new air valve design. In response to modern demands for high-quality products with a strong focus on environmental protection, the Air Valve of the Ruby Diaphragm Pumps has been designed to offer:

- Oil-free operation
- Low maintenance requirements
- Unaffected by minor contamination of compressed air
- Significant energy saving
- Nonfreezing operation
- Operates in external environments
- No dead center
- Long lifespan
- High reliability

Advance Unified Diaphragms Featuring:

- Easy installation and maintenance
- Excellent service life
- Reduced inventory costs
- Improved performance
- Greater displacement per cycle
- No center hole eliminating potential leak paths
- No need to secure the main axis
- Tool-free assembly and disassembly

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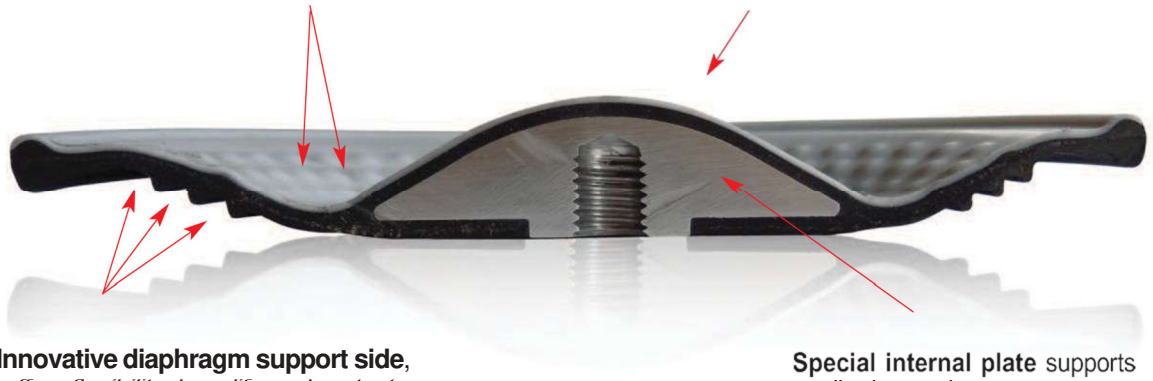
Advance Unified Diaphragm offers:

The prominences decrease the stretching of the PTFE during the regression andpreventitfromcracking.

Innovative conical shape ideal for optimal performance and life, low pressure requirements for start-up, ideal suction



Innovative diaphragm support side, offers flexibility, long life and protects from cavitation

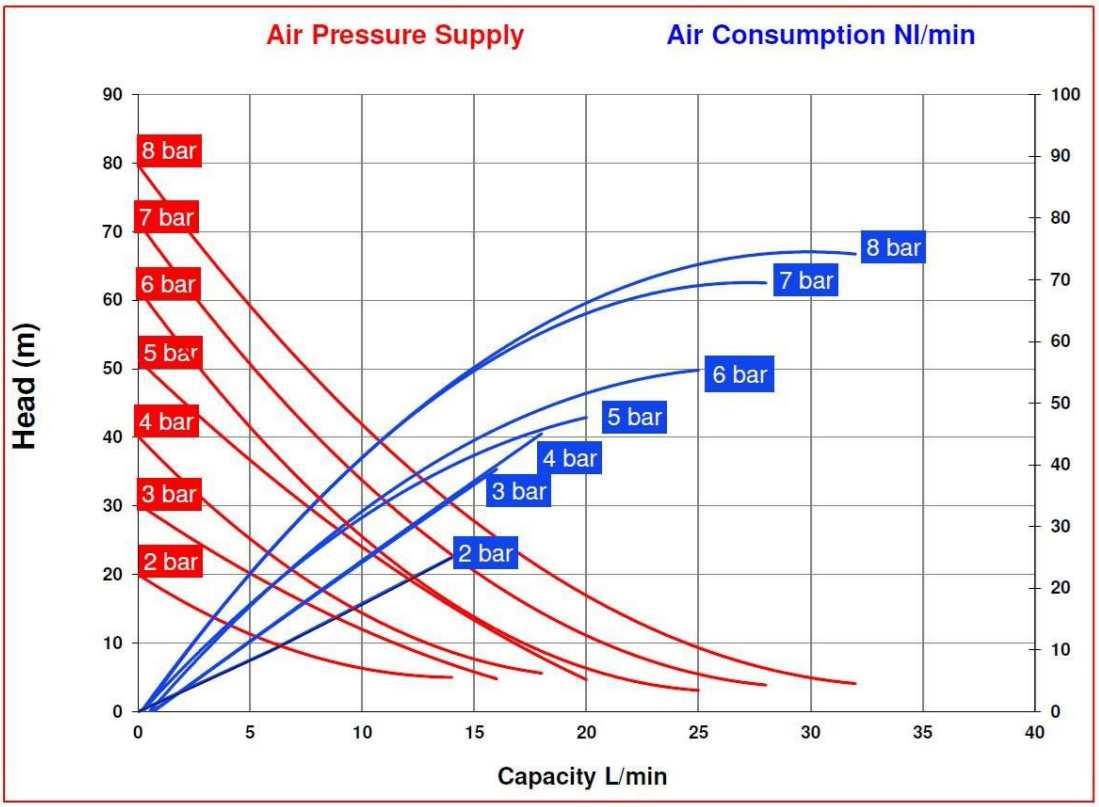
Special internal plate supports your diaphragm in every movement

Technical data

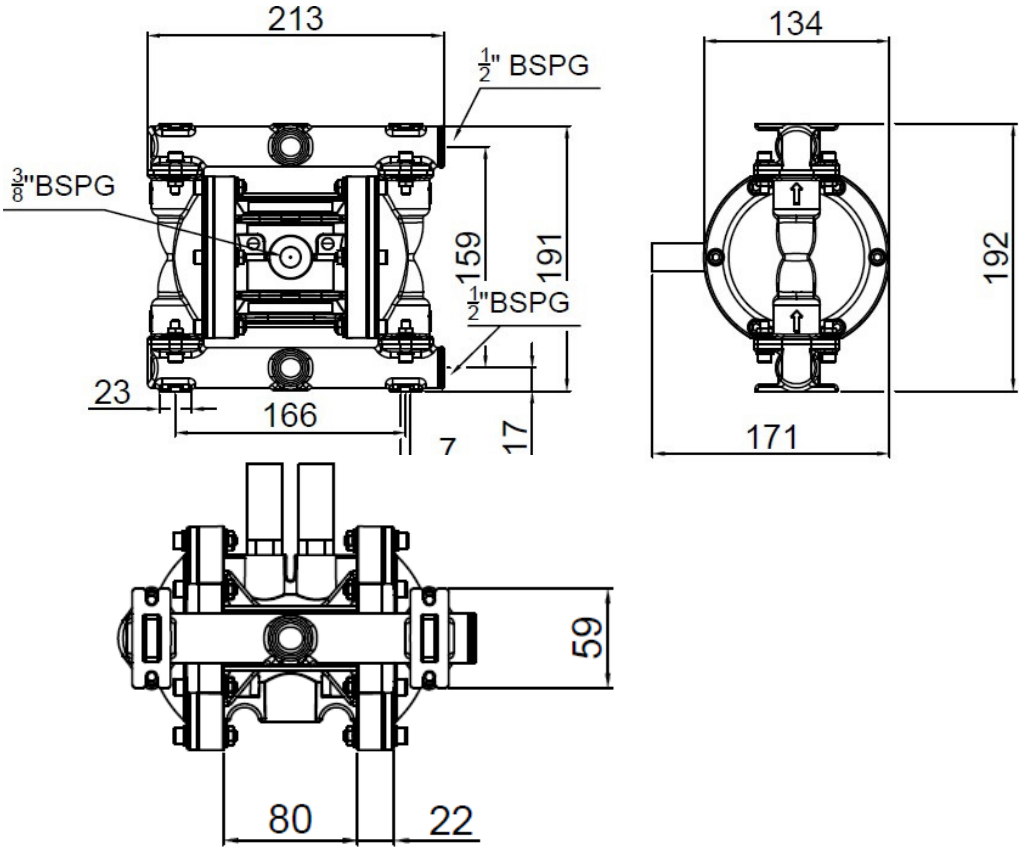
ATEX Certification	STANDARD : II 3/3 G/D Ex h IIB T4 Gc/Dc CONDUCT : II 2G Ex h IIC T4 Gb II 2D Ex h IIIC T135 °C Db I M2 Ex h I Mb Type Examination HAMILTON JSHP 025 ATEX 0025X
Construction Materials	Aluminum
Diaphragms	T: Compound PTFE + Backup (EPDM Conductive)
Intake/delivery connections	1/2" BSP G
Air connection	3/8"
*Max. flow rate	32 L/min
*Max. flow pressure	8 bar
Operating pressure	Min. 2 bar - Max.8 bar
Max. suction head	5 m
Max. size of solids	3.0 mm
Max. operating Temperature	95°C
Weight	2.2 Kg

* The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Performance



Dimensions



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AlphaDynamic PUMPS
We Make The Difference

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