Ruby Black line
STRONG QUALITY INDUSTRIAL PUMP

Ruby Air Operated Diaphragm Pumps

Ruby 151

Construction materials: **PP, PVDF+CF, PP+CF**

New pump line with a brand new designing that offers reinforced pumping potentials. The updated designing provides even bigger performance provided with economy.





II 2/2 G/D Ex h IIC T4 Gb/Db
I M2 Ex h Mb

5 YEARS LIMITED WARRANTY

Made in HELLAS

Benefits

- Optimal performance
- Economical air consumption, ecological designing
- High efficiency for pressure/capacity
- Oil free operation
- No freezing
- New air valve designing, fully controled air passing
- Easy disassembling and re-assembling
- New generation diaphragms with embodied inner-outer piston
- New generation PTFE diaphragms of embodied type for long-life operation (compound)
- Advanced quality Full capacity PTFE-A diaphragms for high chemical and mechanical applications
- Potential to be submersible (on request)
- Possibility to be used in dirty environments due to their closed designing
- Easy manifold reverse
- Automatic suction

Ruby 151 composition codes

Pump model	Pump Body	Center block	Diaphragms	Ball Seats	Balls	O-ring	Other Options
Ruby 151 - 2"	P : PP V : PVDF+CF PC : PP+CF	AP:Aluminum/PP APC:Aluminum/PP+CF P : PP PC: PP+CF	N : NBR Conductive E : EPDM Conductive F : VITON Conductive T : PTFE+back up (EPDM Conductive) Z : PTFE A+back up (EPDM Conductive)	V : PVDF P : PP	T : PTFE S : AISI 316 N : NBR E : EPDM	T : PTFE	F : Flange PN 16 / ANSI 150

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Ruby Innovative oil free air valve

The heart of the Ruby pump is our innovative, new design air valve. In respect for New Era demands, to create and offer High Quality product, with high interest for the environment and it's protection,the Air Valve of the Ruby Diaphragm Pumps has been created to offer:

- Oil free operation
- Low need for maintenance
- Not affected by minor contamination of compressed air
- Significant energy saving
- Non freezing operation
- External environment operation
- No dead centre
- Long life
- Reliability



Advance unified diaphragms featuring:

- Easy installation and maintenance
- Excellent service life
- Inventory cost reduction
- Improved performance
- Greater displacement per cycle
- No center hole, elimination of potential leak paths.
- There is no need for the main axis to be insured
- They can be screwed and unscrewed without the use of tools



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Ruby Air Operated Diaphragm Pumps

Advance Unified Diaphragm offers:

The prominences decrease the stretching of the PTFE during the regression and prevent it from cracking.

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

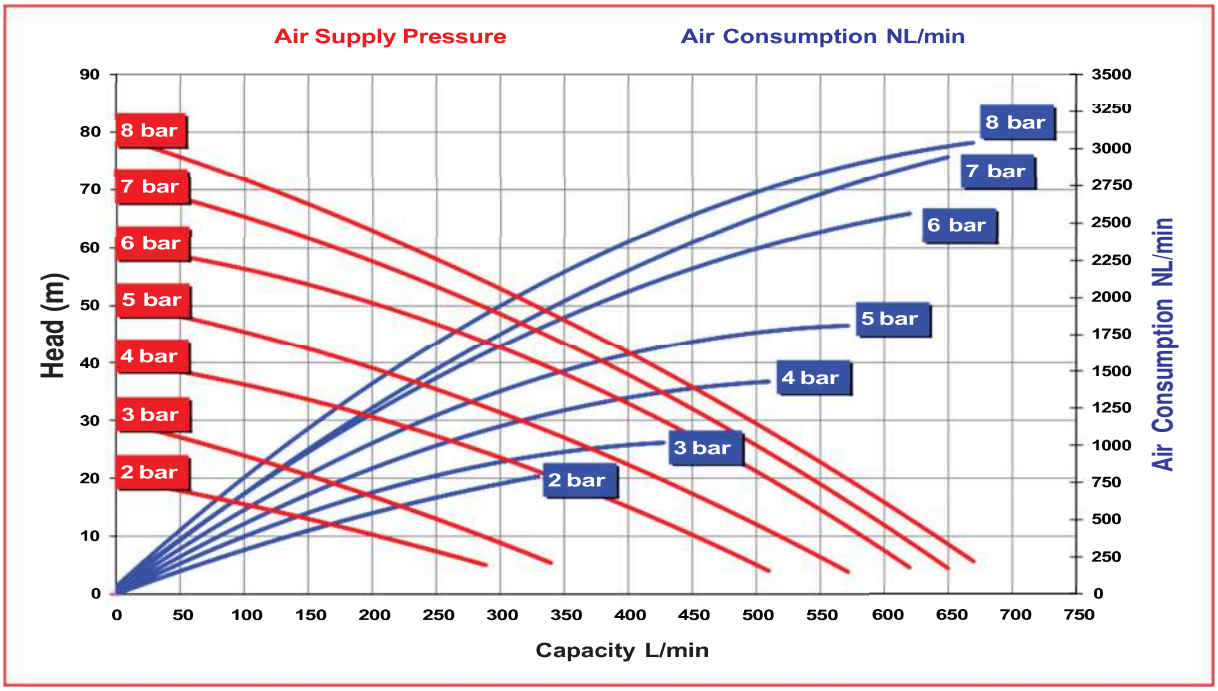
Technical data

ATEX Certification	CE Ex STANDARD : II 3/3 G/D Ex h IIB T4 Gc/Dc CONDUCT : II 2/2 G/D Ex h IIC T4 Gb/Db – I M2 Ex h Mb
Construction Material	PP , PVDF+CF , PP+CF
Diaphragms	N: NBR Conductive E: EPDM Conductive F: Viton Conductive T: Compound PTFE + Backup (EPDM Conductive) Z: Compound PTFE A + Backup (EPDM Conductive)
Intake/delivery connections	2 " BSP G - DN 50 Flange PN16 / ANSI / JIS on request
Air connection	3/4 ”
*Max. flow rate	696 L/min
*Max. flow pressure	8 bar
Operating pressure	Min. 2 bar – Max.8 bar
Max. suction head	4 m
Max. size of solids	8 mm
Max. operating Temperature	95°C
Weight PP	40 Kg
Weight PVDF	48 Kg

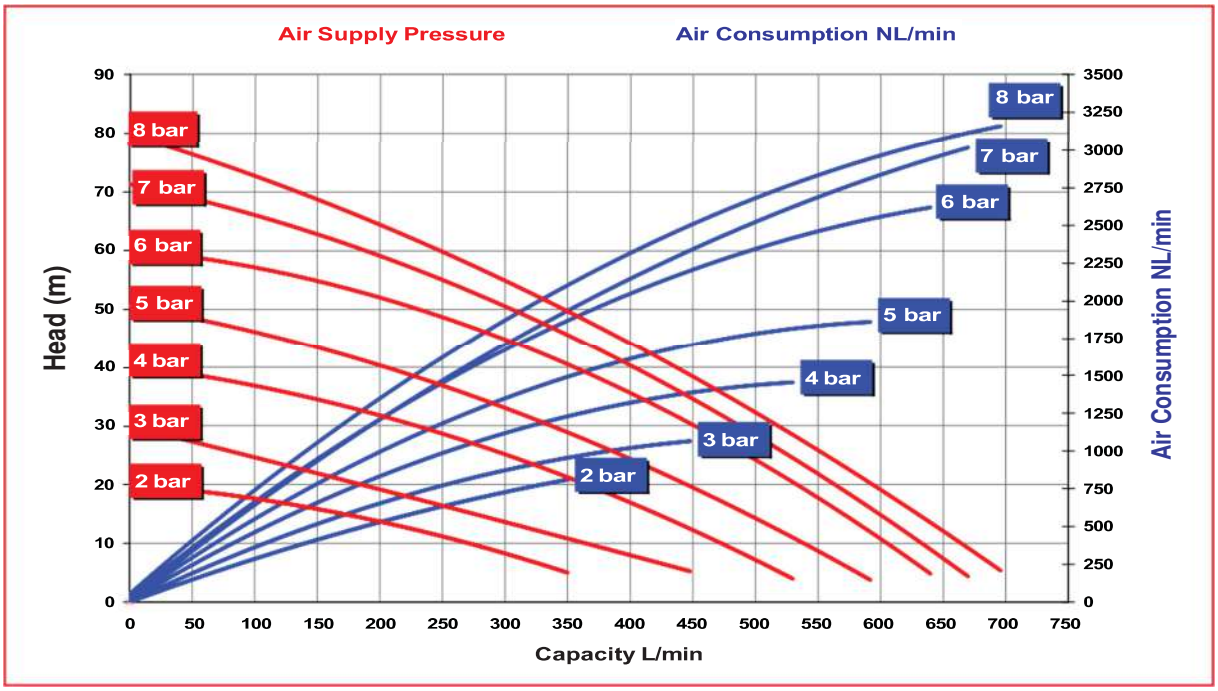
* The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Performance

RUBY 151 - FULL CAPACITY PTFE - A FITTED

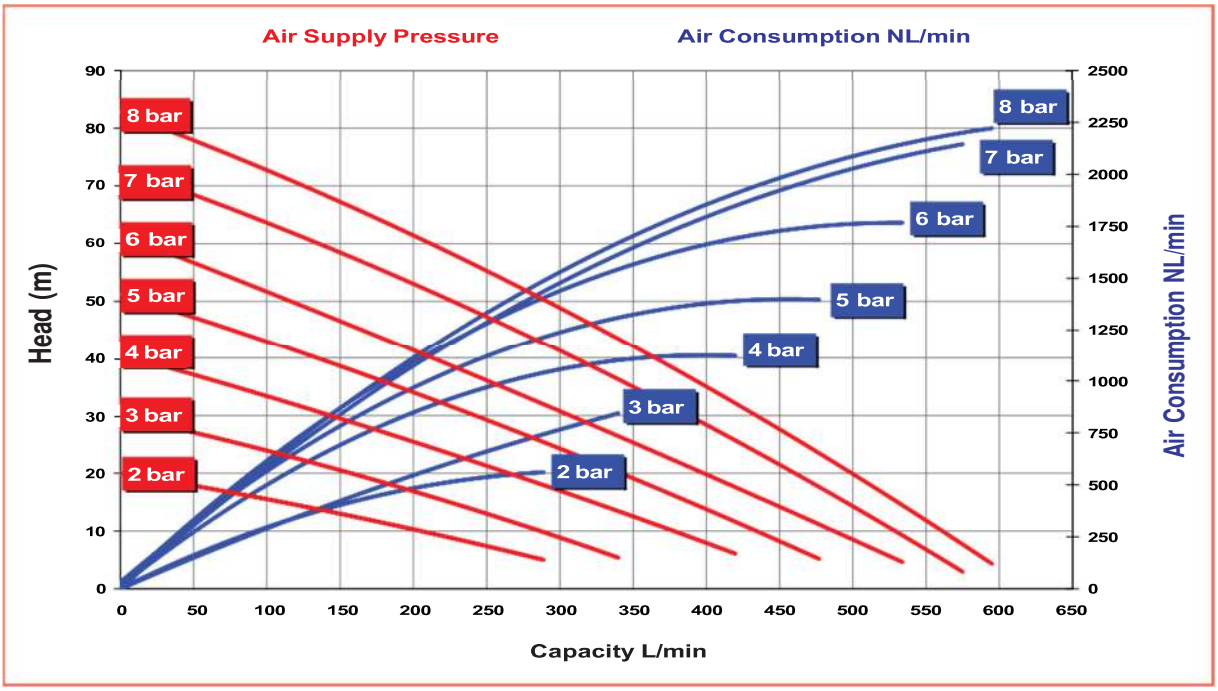


RUBY 151 - RUBBER FITTED

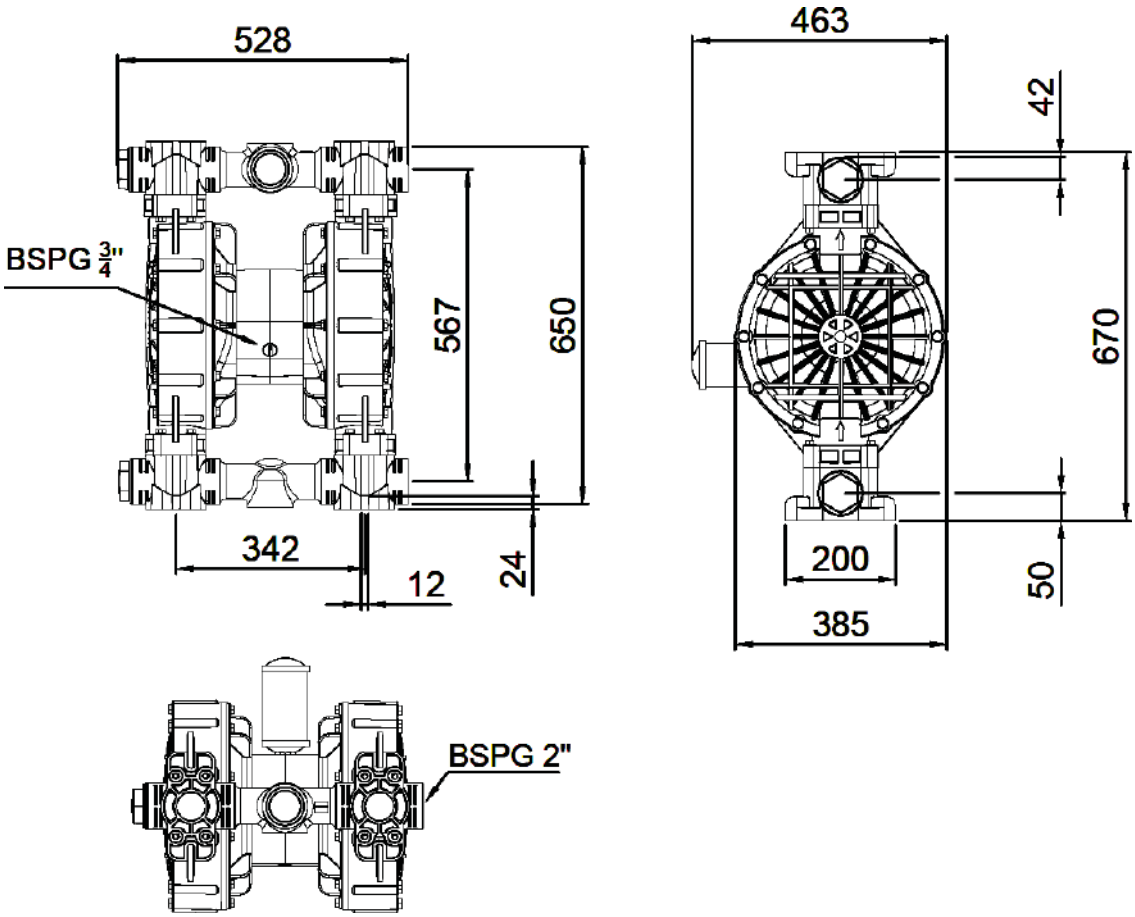


Performance

RUBY 151 - PTFE FITTED



Dimensions Ruby 151



Ruby Air Operated Diaphragm Pumps



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