

# Ruby 025 – IMPA 591702

Construction materials: **PP – PP+CF**

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



EAC CE



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



## Benefits

- Optimal performance
- Economical air consumption, ecological design
- High efficiency for pressure/capacity
- Oil free operation
- No freezing
- New air valve design, fully controlled 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
- Twin manifold options (two suctions and two delivery)
- Excellent performance and value for money
- Ideal for abrasive, viscous, and shear sensitive media

### 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 products, with high interest for the environment and it's protection, the Air Valve of the Ruby Diaphragm Pumps has been created to offer:

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



### Advance unified diaphragms featuring:

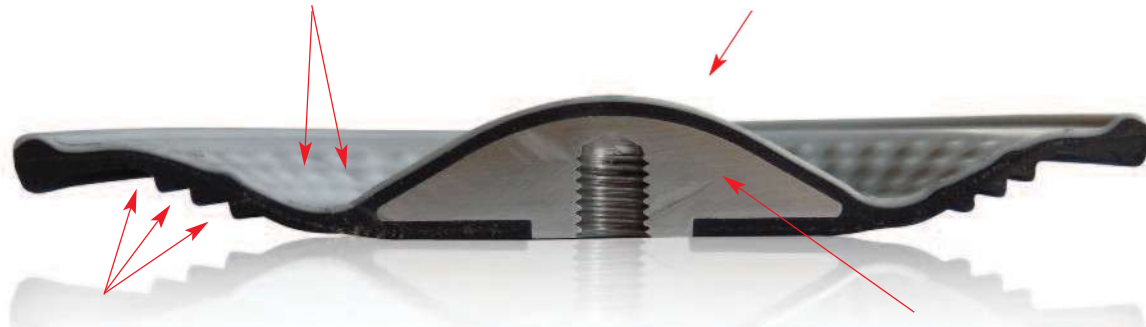
- a Easy installation and maintenance
- a Excellent service life
- a Inventory cost reduction
- a Improved performance
- a Greater displacement per cycle
- a No center hole, elimination of potential leak paths.
- a There is no need for the main axis to be insured
- a They can be screwed and unscrewed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



## 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

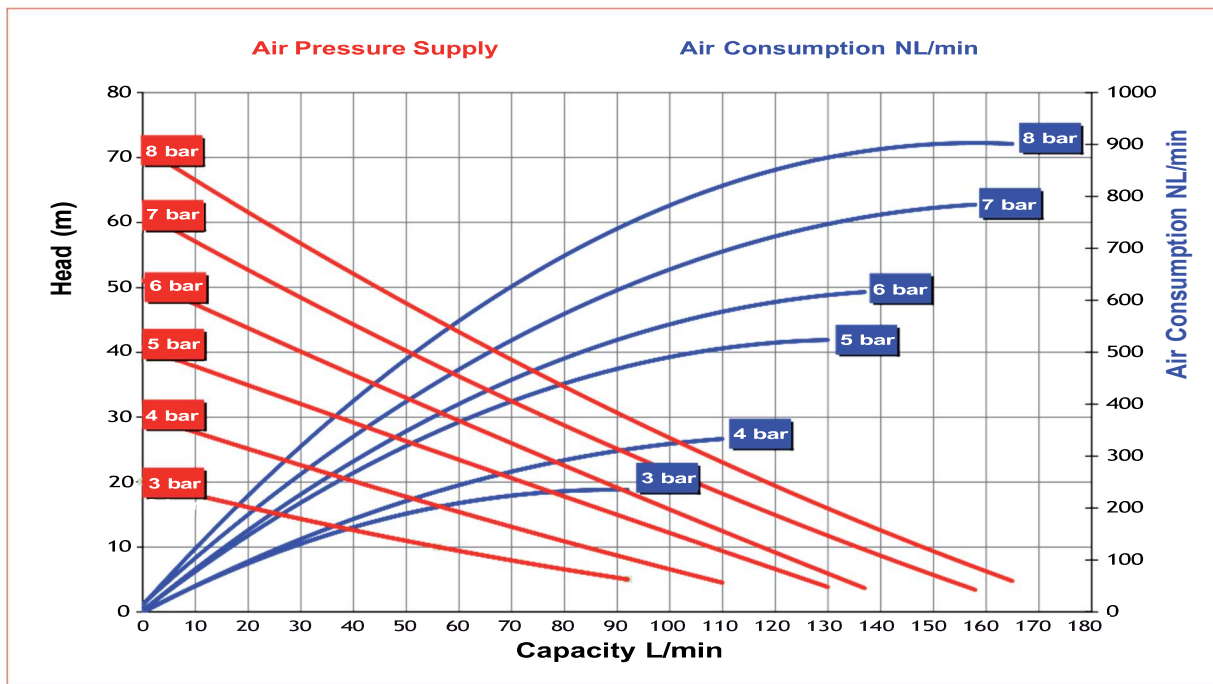
## Technical data

ATEX certification	  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 materials	PP, PP+CF
Diaphragms	Compound PTFE+Back up EPDM Conductive
Intake/delivery connections	1" BSP G -Flange on Request
Air connection	1/2"
*Max. self-priming capacity	4 m
*Max. flow rate	175 l/min
Max. head	70 m
Max. air supply pressure	7 bar
Diameter	3,5 mm
Max. operating temperature	60° C
Weight	6,0 kg

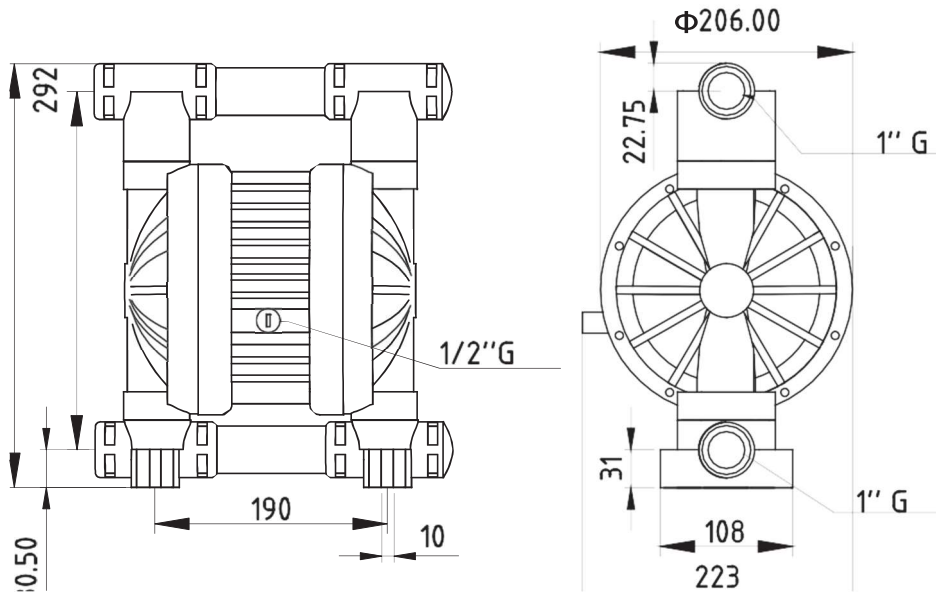
\* The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20° C and vary according to the construction material.

# Performance

## RUBY 025 - FULL CAPACITY PTFE - A FITTED



## Dimensions Ruby 025





*We Make The Difference*

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