

xylem



PureFlo 21 Single Use

Five-chamber diaphragm pump for low pulsation



PureFlo 21 Single Use

A new standard in reliability, safety and control

With so much financial and reputational risk at stake, drug manufacturers need a pump that helps them minimize downtime while improving yield and quality. Thanks to its innovative design, superior performance and greater process efficiency, the PureFlo 21 Single Use sets a new standard in reliability, safety and control.

From its single-use polypropylene plastic pump heads to an adjustable pressure relief valve and 5-chamber design for ultra-low pulsation, the PureFlo 21 Single Use was built to improve and optimize the delicate process of manufacturing advanced biologics.

The gentle, synchronized movement of the pump head membranes increase flow, and because there are no rotating parts to cause friction, the pump maintains operational quality and integrity even in the most demanding pharmaceutical or biopharmaceutical applications.



Meticulously engineered



- Individually adjustable integrated safety valve compliant to 2014/68/EU & SI 2016 No.1105 and approved in accordance with the pressure equipment directive and the pressure equipment safety regulation.
- 5-chamber diaphragm pump for the lowest pulsation possible.
- Tool-free click-off/click-on installation ensures minimal downtime.
- Two inputs and three outputs provide six difference connection combinations.
- Injection molded for high surface quality with reduced weight and material.
- No more burst disc required.

Backed by Xylem's global supply chain

Xylem's unmatched global footprint of production facilities and supply chain partners ensures a seamless, flexible procurement process for multinational companies.

Our experienced team of biotech specialists has worked closely with the world's biggest pharmaceutical OEMs and their customers for decades. We closely partner with engineering teams to improve processes, accelerate R&D, and lower time to market.



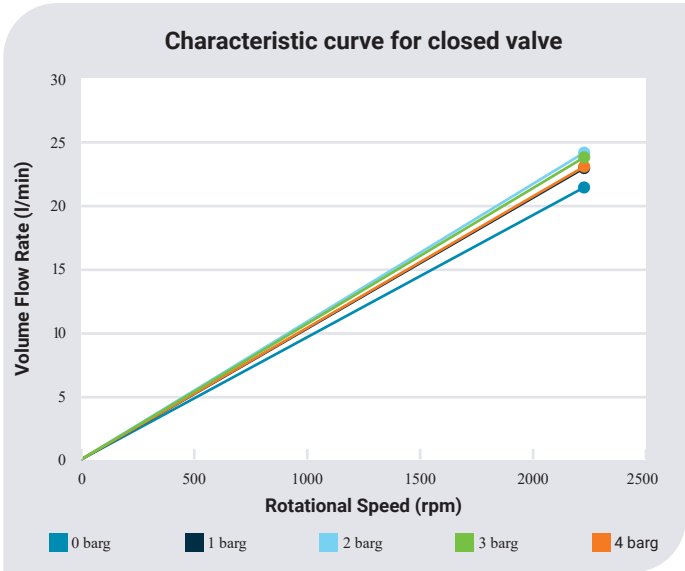
Less risk. More yield.

Each pump head is made of polypropylene plastic and is hand assembled in a cleanroom that is an accredited ISO7 class cleanroom, under GMP guidelines taken from the orange guide. All processes are covered by a certified ISO 9001 quality management system.

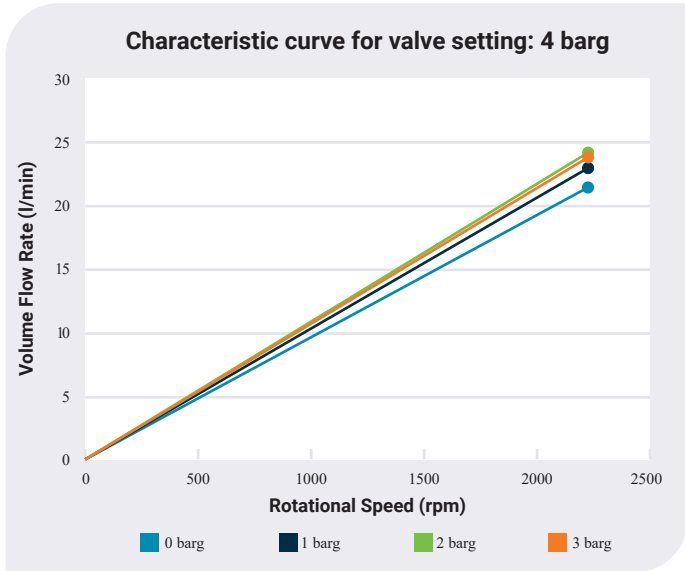
The final product is visually inspected against product specifications, packaged and vacuum sealed in polyethylene bags while still in the ISO 7–certified area.

Flowcurve

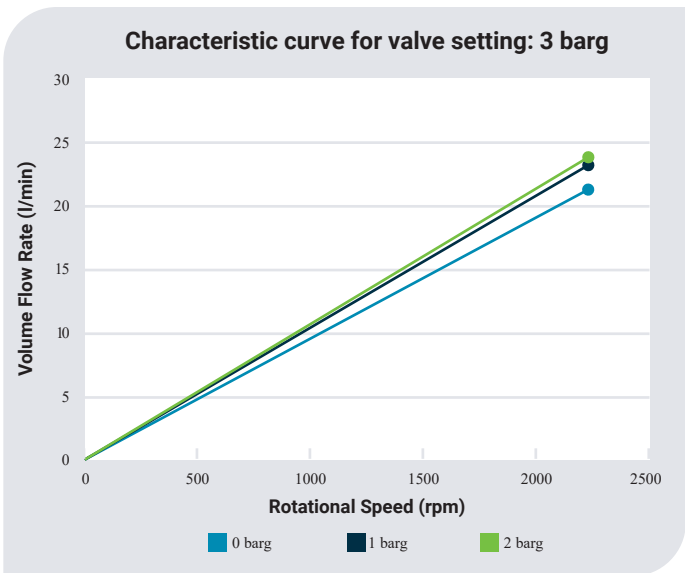
Performance Range I: Closed Valve



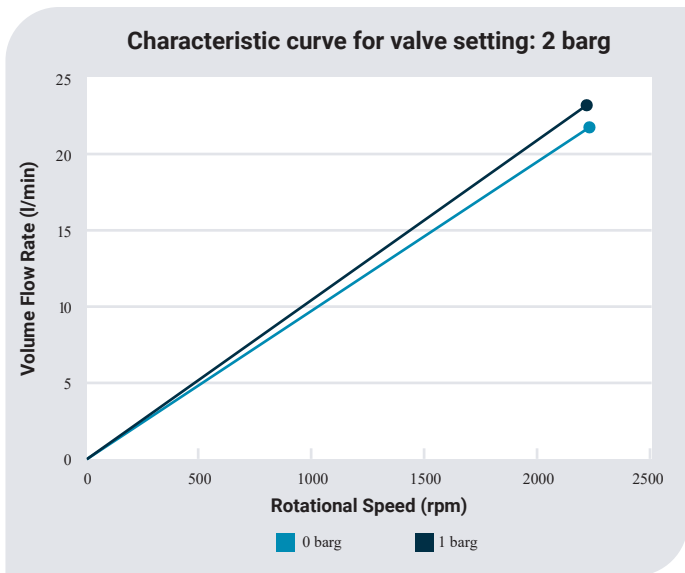
Performance Range II: 4 Barg Valve Set Pressure



Performance Range III: 3 Barg Valve Set Pressure

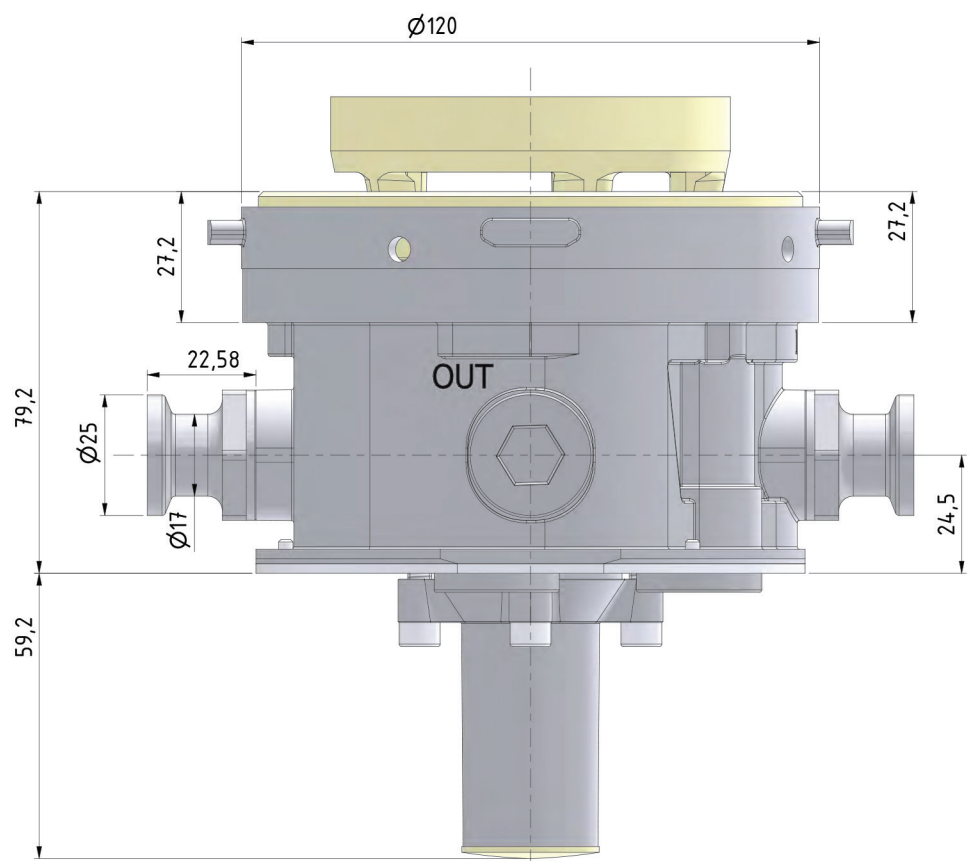


Performance Range IV: 2 Barg Valve Set Pressure



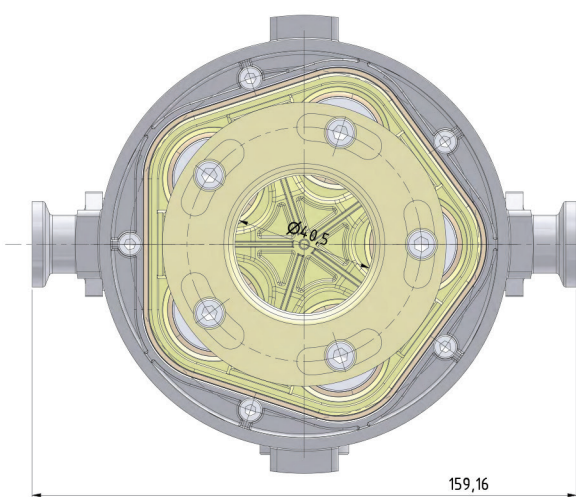
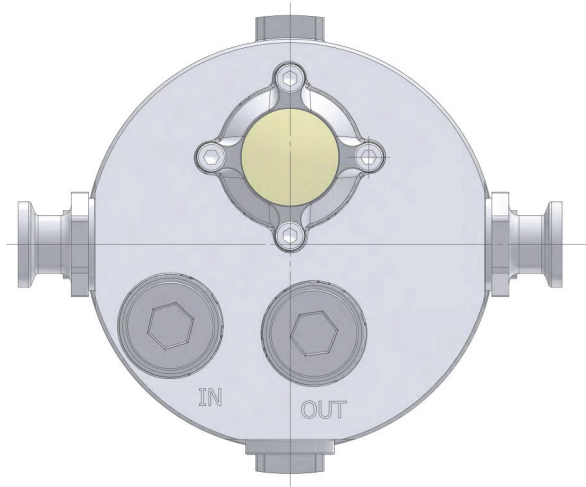
Test medium: de-ionized water at 22°C
Environment: air-conditioned clean room ISO 7
Conveying pressures: 0,0 to 4,0 barg
Connections: 3/4" tri-clamp

Advanced standard pump head only



Vorderansicht

Vorderansicht (1:1)



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com