

# Fristam FL3



**Fristam**  
PUMPS

# Fristam rotary lobe pumps FL3

Superior performance, transfer and CIP in one pump. The FL3's unique three-wing rotor design expands the application range of the FL positive displacement pumps. Its helical rotors virtually eliminate pulsation, ensuring gentle product handling as well as allowing higher transfer capacity and effective CIP.

## SPECIFICATIONS FRISTAM FL3 100L \*

|                                 |   |
|---------------------------------|---|
| Design                          | Rotary lobe pump with counter-rotating rotors designed to handle viscous and non-viscous products.  |
| Construction                    | Special three-wing design helical rotors allow safe and gentle product handling and virtually eliminate pulsation. Consequently the pump operates at faster speeds and reduced noise. |
| Advantages                      | Smooth operation. Higher flow rates achieved with the same pump size. Dual duty, using only one pump for product and CIP operation. Gentle product handling.                          |
| Max. revolution speed (water)   | ~800 to 1000 min <sup>-1</sup>  |
| Max. revolution speed (product) | ~700 min <sup>-1</sup>  |
| Max. discharge flow (water)     | ~50 m <sup>3</sup> /h   |
| Max. discharge flow (product)   | ~35 m <sup>3</sup> /h   |
| Max. discharge pressure         | 8 bar   |
| Max. system pressure            | 12 bar  |
| Displacement                    | 1,1 liter/revolution  |
| Rotating direction              | Reversible  |
| Max. temperature                | 95° C   |
| Mounting                        | Horizontal and vertical   |
| Connection (nominal diameter)   | DN 80   |
| Connection type                 | To suit requirements  |
| Material                        | Stainless steel 1.4404 (316L), alternative materials possible   |
| Gasket material                 | FKM, NBR, EPDM, alternative materials possible  |
| Mechanical seal                 | Single / flushed  |
| Mechanical seal material        | Tungsten Carbide / Tungsten Carbide<br>Cemented Carbide / Cemented Carbide  |



## BENEFITS

- Improved performance and reduced associated costs
- Low pulsation
- Product and CIP operation using only one pump

\*) Please note that technical information provided above is subject to further development of the product range.

Fristam Pumps UK Limited Partnership  
Unit 11 APEX Business Park  
Diplocks Way, Hailsham  
East Sussex BN27 3JU Great Britain

Tel +44 (0)1323 849 849  
Fax +44 (0)1323 849 438  
E-Mail [sales@fristam.co.uk](mailto:sales@fristam.co.uk)

For international contact  
information, please  
visit [www.fristam.de](http://www.fristam.de).

**Fristam**  
PUMPS