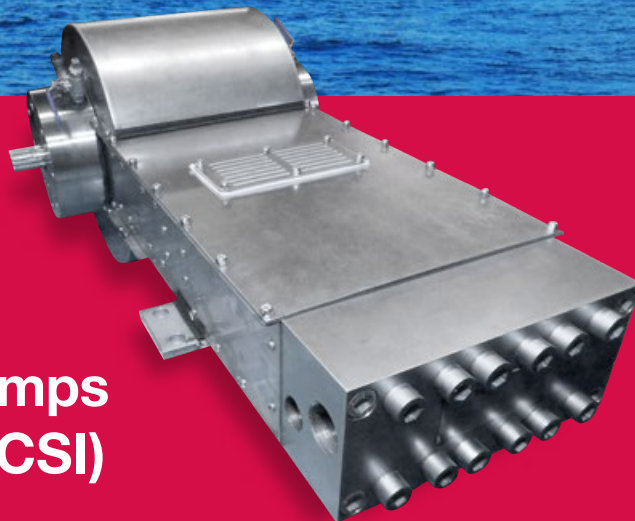




## NETTUNO 3120 SUBSEA PUMP

High pressure subsea pumps  
for Chemical Injection (SCSI)  
and Intervention work



[www.peronipompe.com](http://www.peronipompe.com)



NETTUNO SUBSEA PUMP

The Nettuno 3120 subsea plunger pump is based on a groundbreaking concept: engineering an open power frame for subsea use. The open frame exposes the unique, patented components to the hydraulic atmosphere of ocean depths, thereby eliminating the pressure differential at all depths.

The key advantage of the Nettuno pump is its crank case (mechanical power frame), which is cooled and lubricated by seawater. No oil or grease is required.

With this engineering achievement, the depth of operation is not a factor.

Since its first deployment in 2004, the pump has operated successfully in subsea environments, demonstrating a proven track record across a diverse array of applications down to depths of 10000 feet / 3000 meters. It has been utilized for pumping seawater and a range of chemical products.

Thanks to its 20 years references, the Nettuno 3120 plunger pump is considered TRL7.



CRANK CASE LUBRICATED BY SEAWATER



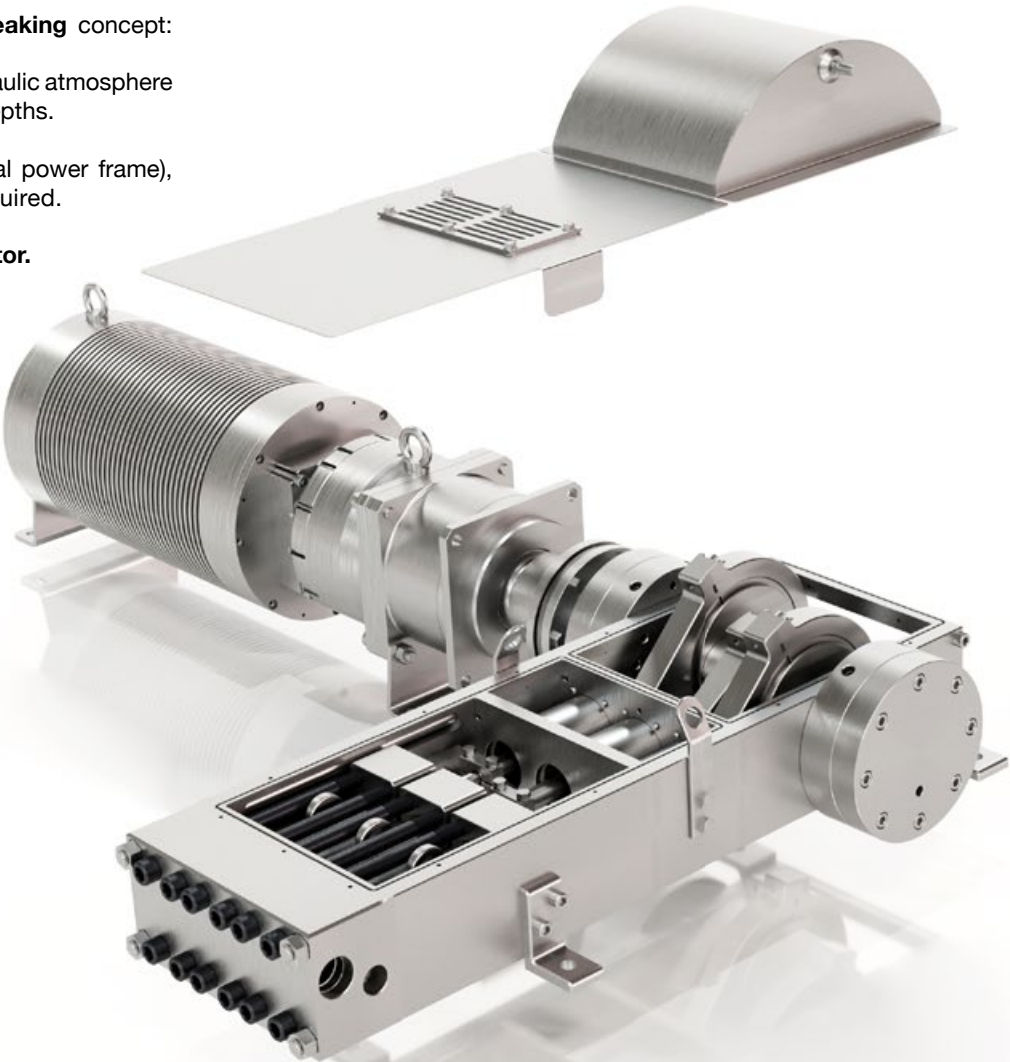
NO PRESSURE COMPENSATION, NO DEPTH LIMITATION



PUMP IN SUBSEA OPERATIONS SINCE 2004: MEETS TRL 7



SIMPLE DESIGN WITH FEW MOVING PARTS

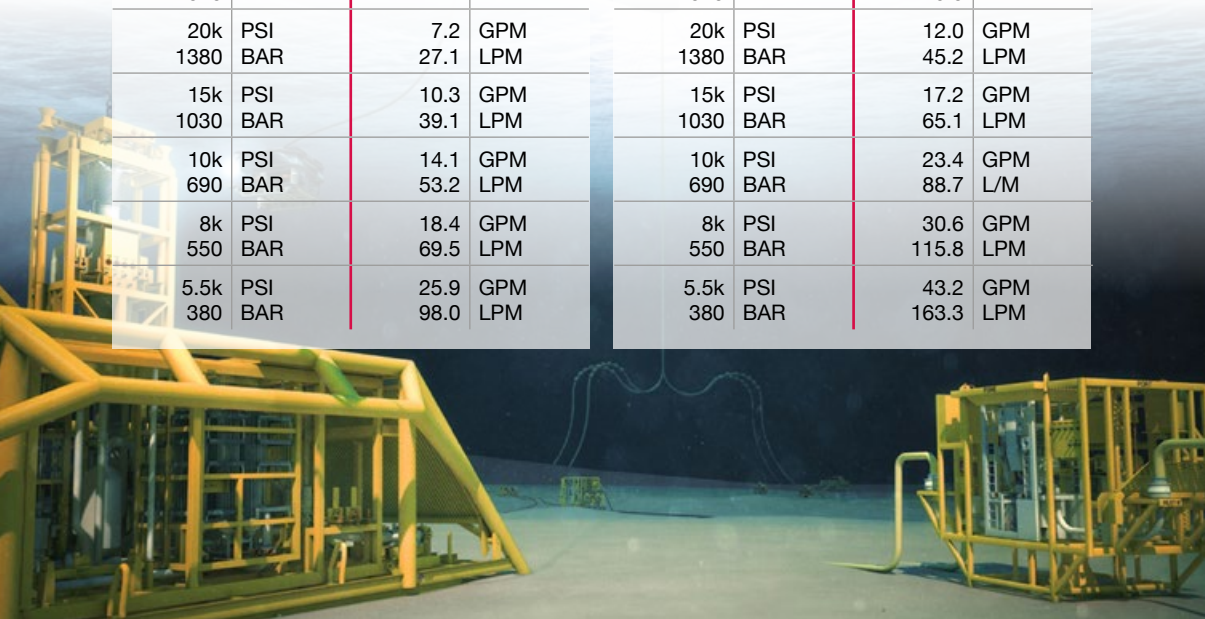


APPLICATION

- > High flow intermittent batch chemical injection
- > Low flow (typically continuous) chemical injection
- > Flowline intervention or testing (ROV)
- > Fluids: (Sea)Water, MEG, Methanol, LDHI, Biocide, Corrosion inhibitor, Scale inhibitor...

PERFORMANCE

| NETTUNO 3120 (TRIPLEX)<br>UP TO 100 HP / 75 KW |     |                 |     | NETTUNO 3120Q (QUINTUPLEX)<br>UP TO 165 HP / 125 KW |     |                 |     |
|------------------------------------------------|-----|-----------------|-----|-----------------------------------------------------|-----|-----------------|-----|
| PRESSURE                                       |     | FLOW AT 600 RPM |     | PRESSURE                                            |     | FLOW AT 600 RPM |     |
| 40k                                            | PSI | 3.5             | GPM | 40k                                                 | PSI | 5.9             | GPM |
| 2760                                           | BAR | 13.3            | LPM | 2760                                                | BAR | 22.2            | LPM |
| 30k                                            | PSI | 4.6             | GPM | 30k                                                 | PSI | 7.6             | GPM |
| 2070                                           | BAR | 17.4            | LPM | 2070                                                | BAR | 29.0            | LPM |
| 20k                                            | PSI | 7.2             | GPM | 20k                                                 | PSI | 12.0            | GPM |
| 1380                                           | BAR | 27.1            | LPM | 1380                                                | BAR | 45.2            | LPM |
| 15k                                            | PSI | 10.3            | GPM | 15k                                                 | PSI | 17.2            | GPM |
| 1030                                           | BAR | 39.1            | LPM | 1030                                                | BAR | 65.1            | LPM |
| 10k                                            | PSI | 14.1            | GPM | 10k                                                 | PSI | 23.4            | GPM |
| 690                                            | BAR | 53.2            | LPM | 690                                                 | BAR | 88.7            | L/M |
| 8k                                             | PSI | 18.4            | GPM | 8k                                                  | PSI | 30.6            | GPM |
| 550                                            | BAR | 69.5            | LPM | 550                                                 | BAR | 115.8           | LPM |
| 5.5k                                           | PSI | 25.9            | GPM | 5.5k                                                | PSI | 43.2            | GPM |
| 380                                            | BAR | 98.0            | LPM | 380                                                 | BAR | 163.3           | LPM |





**High pressure pumps  
for critical applications since 1895.**

## **WORLDWIDE PRESENCE**

Global Reach, Local Support: our worldwide presence ensures unmatched service and spare parts accessibility in strategic location across the globe



- > Worldwide leader in high pressure technology
- > Reliable supplier of offshore topside pumps since 1970's
- > Subsea pumps deployed since 2004

**PERONI POMPE S.P.A.**

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