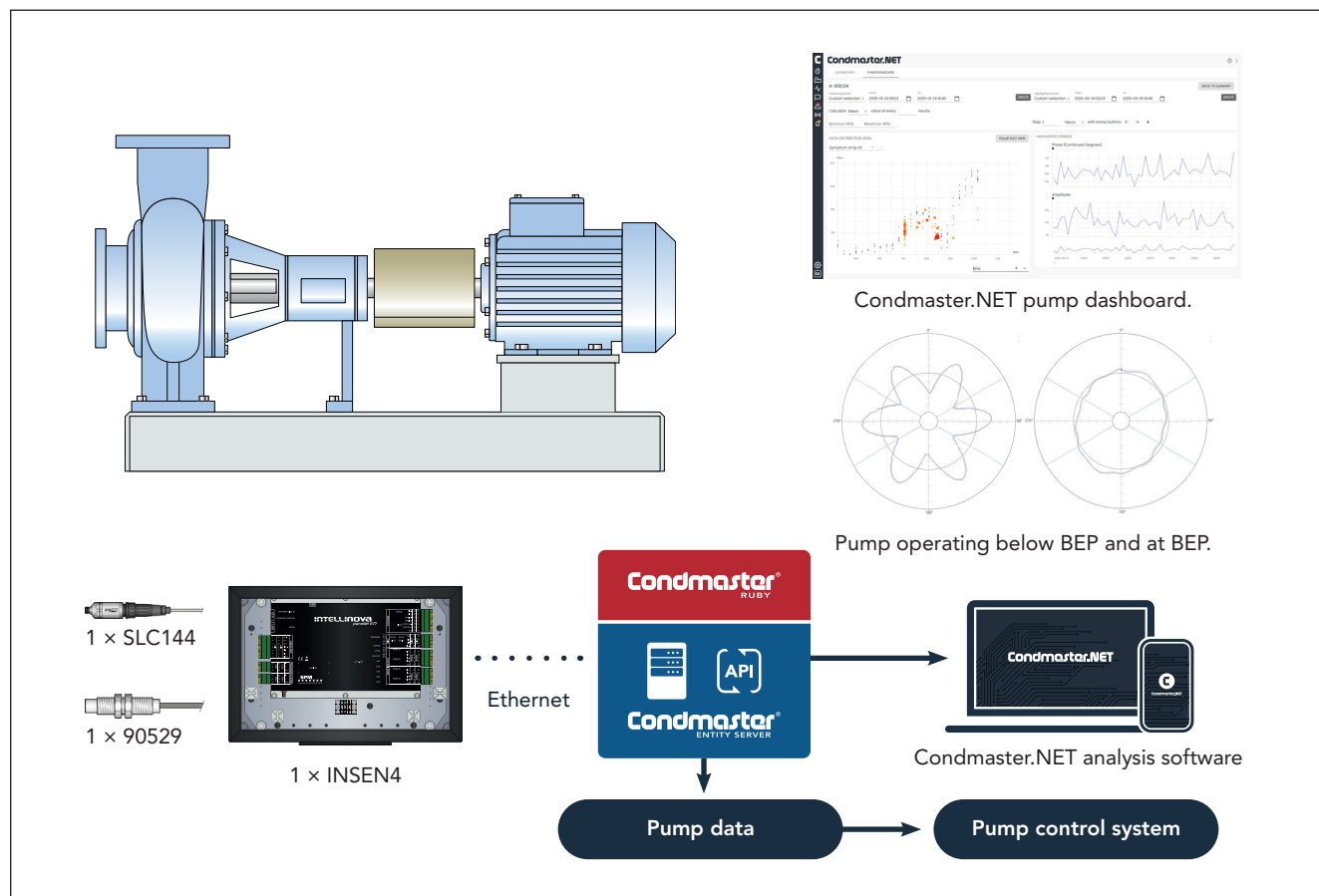


Process optimization package – Centrifugal pumps



The process optimization package POP004 contains an four-channel Intellinova Parallel EN system, a DuoTech accelerometer and other necessary hardware, and a Condmaster license. When ordering, subscribe to the Condmaster.NET pump dashboard for each pump via part number CM-S104. The subscription renews yearly.

With the solution for pump optimization, operators can continuously monitor and analyze pump performance in relation to operating speed or flow. Using Data distribution, symptom values can be plotted over RPM or flow rate to visualize how the pump is performing. This allows operators to determine whether it is running at, below, or above its Best Efficiency Point (BEP) – and to identify early signs of performance issues or inefficiencies.

Pumps account for approximately 10% of global energy consumption, and nearly 90% of their lifetime cost is related to energy use. The insights delivered by the package solution empower operators to optimize performance at BEP – the ideal flow rate and head combination – reducing energy consumption, lowering mechanical wear, and improving long-term reliability and performance.

Operating closer to BEP not only improves uptime and extends the life of critical components but also delivers significant energy savings and economic benefits.

To enable condition monitoring, three additional DuoTech accelerometers are required: two for the motor and one for the pump bearings.

Part numbers

POP004 Process optimization package, centrifugal pump
CM-S104 Condmaster.NET pump dashboard, yearly subscription for one pump

Included in POP004:

INSEN4	1 pc.	4-channel Intellinova Parallel EN system
CM-E820	1 pc.	Condmaster 2026, Online Edition
SLC144	1 pc.	DuoTech accelerometer, M12 connector
15716	4 pcs.	Protection tube sleeve, stainless steel
15762	2 pcs.	Protection tube end cap, stainless steel
16059	1 pc.	Glue-on mounting foot, M8x1.25
17011	1 pc.	Protection tube end for connector
491xx	1 pc.	M12 connector, angled, cable 90389, length 5, 10, or 20 m (xx = 5, 10, or 20)
81385	2 pc.	Protection tube, stainless acid-proof steel, 2 m
82414	10 pcs.	Clips JR 9.5 mm, stainless steel
90443	1 pc.	Twisted pair cable, –40 to +80 °C, 10 m
90494	1 pc.	Angle bracket M18
90529	1 pc.	Inductive proximity switch M18 with connector
90511	1 pc.	4-pin M12 female connector, angled



SPM Instrument AB • Box 504 • SE-645 25 Strängnäs • Sweden
Tel +46 152 22500 • info@spminstrument.se • www.spminstrument.com

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