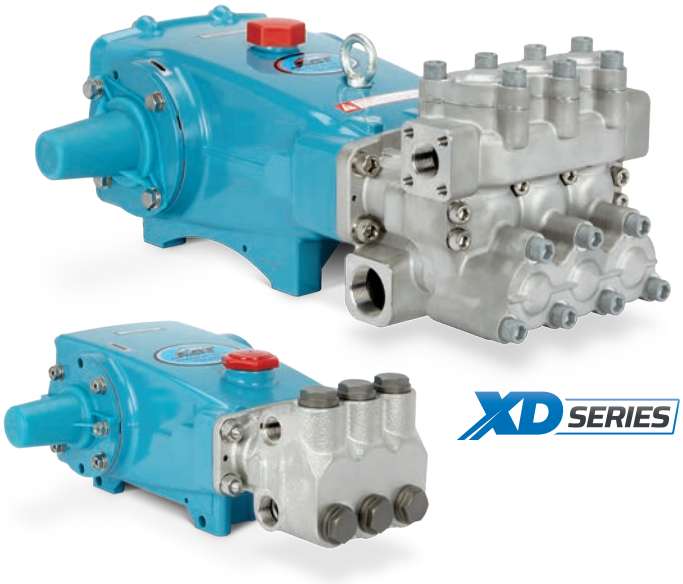
XD-SERIES PLUNGER PUMPS

The Pumps with Nine Lives



38–170 lpm | Up to 152 bar

Built for Demanding, Ultra-Pure DI Water Operation

Demanding applications like turbine inlet cooling, misting and fogging systems require equipment that can handle continuous operation in harsh conditions. Cat Pumps' XD-Series is purpose-built to deliver dependable performance while minimising maintenance and system interruptions.

Cat Pumps' next-generation seal package is at the heart of the design — X-Series long-life high-pressure packings paired with exclusive low-pressure seals engineered for low-lubricity fluids, including deionised (DI) water. By removing the need for freshwater flush systems, the XD-Series simplifies operation, lowers costs and significantly reduces wear.

From power generation to data centres, greenhouses to dust control, the XD-Series ensures reliable uptime and long-term value through superior efficiency, durability and reduced cost of ownership.

Features

- Proprietary XD-Series low-pressure seals handle low-lubricity fluids without the need for manifold flushing.
- Advanced X-Series high-pressure packings reduce friction and heat, delivering up to three times longer life.
- Corrosion-resistant 316 stainless steel wet-end components ensure maximum durability in ultra-pure water.
- High-strength connecting rods and plunger rods provide continuous-duty performance, even at low RPMs.
- Exclusive internal oil porting system keeps crossheads lubricated to reduce wear during extended runtimes.
- Precision 316 stainless steel valve assemblies ensure accurate seating, minimal pressure loss, and dependable operation.
- Proven wet seal design cools and lubricates seals for extended life with DI water and other low-lubricity fluids.

Typical Applications

- Turbine inlet fogging
- High-purity misting
- Data centre climate control
- Greenhouse misting
- Dust suppression

XD-Series Specifications

MODEL	MATERIAL	FLOW	MAX PRESSURE	RPM	INLET PRESSURE RANGE	MAX LIQUID TEMP	INLET PORTS (2)	DISCHARGE PORTS (2)
1061XD	316 SS	38 lpm	152 bar	958	-0.35 to 4.1 bar	70° C | 160° F	¾" NPT(F)	½" NPT(F)
1061XD (Alternate)	316 SS	46.6 lpm	124 bar	1180	1.4 to 4.1 bar	38° C | 100° F		
3621XD	316 SS	94.6 lpm	138 bar	870	Flooded to 4.8 bar	60° C | 140° F	1½" NPT(F)	1" NPT(F)
3631XD	316 SS	136 lpm	83 bar	800				
3641XD	316 SS	170 lpm	69 bar	765				

Popular 15-Frame XD-Series Accessories

Pressure Regulator
PN 7021
9.4 – 94.6 lpm
103 – 207 bar

Pop-Off Valve
PN 9941
0 – 94.6 lpm
69 – 276 bar

Pressure Gauge
PN 6097
0 – 207 bar

Pulsation Dampener
PN 1621SS180
Up to 45 lpm
0 – 165 bar

Crankcase Oil
PN 6132
1 Litre Bottle
Specially-Formulated
for Extended Protection

Popular 36-Frame XD-Series Accessories

Pressure Regulator
PN 7376
38 – 285 lpm
35 – 138 bar

Pop-Off Valve
PN 9952
0 – 189 lpm
35 – 138 bar

Pressure Gauge
PN 6097
0 – 207 bar

Pulsation Dampener
PN 7210SS
Up to 150 lpm
0 – 140 bar

Crankcase Oil
PN 6133
4 Litres
Specially-Formulated
for Extended Protection

Contact Cat Pumps for more information at sales@catpumps.co.uk or +44 (0)1252 622031.

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