

New submersible drainage pump XJ 900

Sulzer presents the latest addition to its line of submersible dewatering pumps – the XJ 900 drainage pump. The XJ pump series delivers outstanding hydraulic performance, increased wear resistance, and high reliability. The high-efficiency motor and the new hydraulics combined with low-friction bearings reduce power losses and extend stator life. The result is low total energy costs and minimized carbon footprint.

Design

- High-efficiency IE3 motor for reliable operation.
- Innovative hydraulic design makes conversion between high-flow and high-head configurations quick and effective.
- Impellers and flow elbows in white cast iron together with rubber-coated volutes ensure a long lifetime and high efficiency.
- Built-in motor protection.
- External inspection port for the oil chamber enables quick and easy evaluation of the shaft seal during service.
- Cast iron structural parts for strength and durability.

Applications

- Mine and quarry dewatering
- Construction dewatering
- Tunnel dewatering
- Water transfer
- Flood response



Ready to minimize your ownership costs and maximize pump uptime?

Contact your nearest Sulzer dealer or visit www.sulzer.com.

Materials

Description	Material	EN	ASTM
Structural castings	Cast iron	EN-GJL-250	ASTM A48 - Class 35
Volute casings	Cast iron	EN-GJL-250	ASTM A48 - Class 35
Outer jacket / discharge	Ductile iron	EN-GJS-400-18	ASTM A536 60-40-18
Strainer / handle	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller / wear rings / flow elbows	White cast iron	EN-GJN-HV600 (XCr23)	ASTM A 532: Alloy III A
Fasteners	Stainless steel	10088:X5CrNiMo 17122 (1.4401)	AISI 316
Volute coating / o-rings	Nitrile rubber		
Coating	2-component epoxy paint 120 µm		

Operating data

	XJ 900 HD	XJ 900 ND
Power	145 HP @ 3560 rpm	145 HP @ 3560 rpm
Capacities	up to 935 USgpm	up to 2'090 USgpm
Heads	up to 755 ft.	up to 377 ft.
Pressures	up to 344 psi	up to 167 psi
Submergence	up to 262 ft.	up to 262 ft.
Temperatures	up to 104°F	up to 104°F

Performance range

