

# 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](http://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	90 kW @ 2970 rpm	90 kW @ 2970 rpm
Capacities	up to 200 m <sup>3</sup> /h	up to 430 m <sup>3</sup> /h
Heads	up to 200 m	up to 100 m
Pressures	up to 20 bar	up to 10 bar
Submergence	up to 80 m	up to 80 m
Temperatures	up to 40°C	up to 40°C

## Performance range

