

Proven pump designs for mine dewatering



Whether on the surface or underground, the conditions in mines are harsh. Sulzer has the solutions in a complete pump range for reliable dewatering. Our dewatering pumps are rugged and ready, taking on the toughest drainage and sludge removal.

- Above ground dewatering ✓
- Underground drainage
- Deep mine dewatering

Above ground/open pit and below ground – drainage

Model	Size (inch)	Flow range (USgpm)	Head range (ft)	Hp	pH	Ambient temperature max (°F)	Percent solids
J/XJ series	2-10	up to 5'400	up to 754	0.6-145	5-8	104	<5%
JC/XJC series	2-6	up to 873	up to 300	6-18	5-8	104	<5%
JS/XJS series	2-4	up to 476	up to 130	1.5-18	5-8	104	<5%
XFP	3.2-32	up to 40'000	up to 330	2.7-1'005	5-8	104	<8%



Below ground – MSHA permissible

Model	Size (inch)	Flow range (US gpm)	Head range (ft)	Hp	pH	Ambient temperature max (°F)	Percent solids
J Mex	3 - 6	up to 800	up to 320	1.8 - 59.8	5 - 8	104	< 5%



Submersible drainage pumps J 10 - 350 MEX are approved explosion proof mine pumps suitable for pumping water and dirty water mixed with light abrasive soil. The J Mex pumps are approved by MSHA (Mine Safety and Health Administration) and D.O.E.R. (Pennsylvania Department of Environmental Resources).

Sulzer pumps for mining

Water transfer

	Model	Capacities (USgpm)	Heads (ft)	Pressures (psi)	Temperatures (°F)
Multistage	MBN	3'080	2'950	1'450	355
	HPH/HPL	5'000	5'000	2'610	220
End suction	APT (ISO)	40'000	525	360	355
	CPE (ANSI)	7'000	900	400	500
Double suction	SMD	1'100 to 110'000	850	490	280



Vertical turbines

CS 12 sizes (24 hydraulic combinations)*		
Pump sizes (bowl dia.)	5 to 10 in.	125 to 250 mm
Flow rates	60 to 2'400 USgpm	3.8 to 150 l/s
Heads	up to 1'500 ft.	up to 460 m
Pressures	up to 650 psi	up to 55 bar
Temperatures	5°F to 275°F	-15°C to 135°C

JTS 37 sizes (71 hydraulic combinations)		
Pump sizes (bowl dia.)	6 to 36 in.	150 to 900 mm
Flow rates	33 to 25'000 USgpm	6 to 5'678 m³/h
Heads	up to 1'100 ft.	up to 340 m
Pressures	up to 525 psi	up to 36 bar
Temperatures	5°F to 185°F	-15°C to 85°C

* Only available in North and Central American markets and Mexico.

