

Flygt 2201.590 SH

MSHA EXPLOSION-PROOF CLASSIC DEWATERING PUMP

60Hz



With the explosion-proof 2201.590 SH, a tried-and-true dewatering pump reaches new heights. Adapted to ultra-high pumping heads and made of cast iron, it's suitable for tough jobs where liquids are abrasive or contains chlorides. Including critical applications where safety comes first.

The Flygt 2201.590 SH is a two-stage hydraulic pump with double adjustable impellers, designed to pump extreme heads (up to 500 ft). It is also certified (MSHA) to operate safe in potentially hazardous areas - a non-negotiable feature in many industrial and mining applications. A steady cast iron body makes the Flygt 2201 truly hard-wearing and versatile. In addition, cast iron make for highly reliable pumps, as it resists liquids with chloride content.

Engineered to deliver both performance and reliability, the Flygt 2201.590 SH features same proven technology as its siblings in the classic Flygt 2000 range. The conical trim sleeve, a quick and easy to use impeller-adjustment feature,

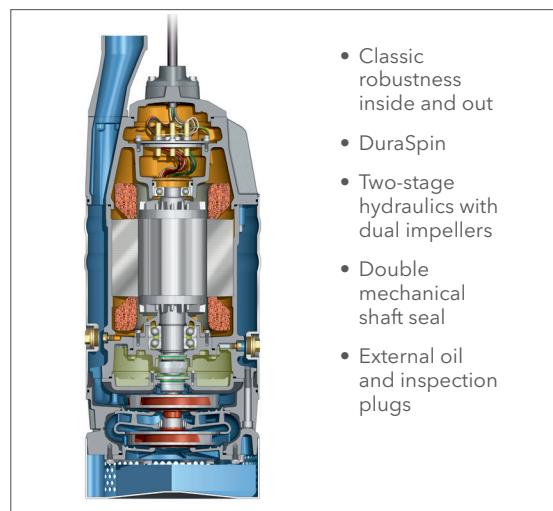
restores hydraulic tolerances to near-original condition boosting pump performance, while robust cable entry ensures safe, continuous operation.

The signature **Dura-Spin™** safeguards against wear. The unique closed impeller and the suction cover with Dura-Spin grooves work together sweeping abrasive particles away from the impeller neck.

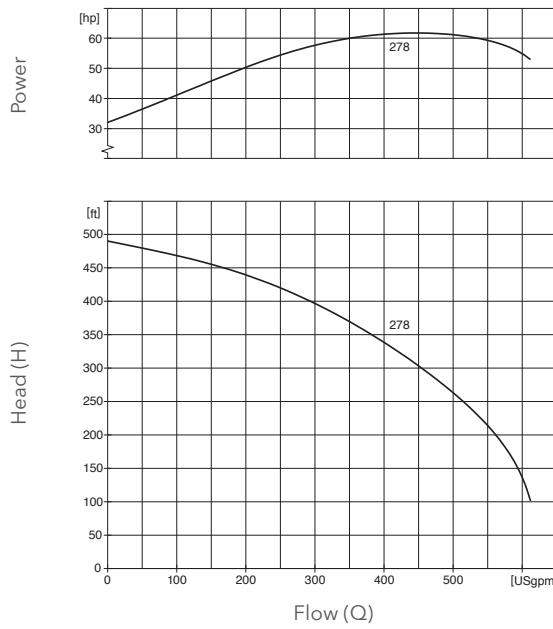
FLYGT
a xylem brand

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- Classic robustness inside and out
- DuraSpin
- Two-stage hydraulics with dual impellers
- Double mechanical shaft seal
- External oil and inspection plugs



Voltage (V)	Rated current (A)	Starting current (A)
440 D	67	405
460 D	65	395
575 D	52	300
600 D	49	284
950 Y	32	150
1,000 Y	30	159

Denomination

Product code	2201.590
Installation	Portable
Discharge connection	4"
Impeller characteristics	Super High Head (SH) Wear resistant impeller with DuraSpin, Dual stage hydraulics

Process data

Liquid temperature	104°F (40°C)
Depth of immersion	max 65 ft (20 m)
Liquid density	max 9.2 lb/US gal (1,100 kg/m³)
Strainer hole dimension	Ø 0.47" (12 mm)
pH of pumped liquid	pH 6-11

Motor data

Frequency	60 Hz
Insulation class	H 356°F (180°C)
Voltage variation	max +/- 10% - continuous running max +/- 10% - intermittent running
Voltage imbalance	max 2% between phases max 30 - no of starts/hour

Monitoring equipment

Thermal contacts	257°F (125°C)
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Cables

SUBCAB®	SUBCAB® submersible cable
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Materials

Outer casing	Galvanized steel
Impeller	Hard-Iron™
Wear parts	Nitrile rubber
Stator housing	Cast iron
Strainer	Galvanized steel
Shaft	Stainless Steel
O-rings	Nitrile rubber
Discharge connection	Cast iron

Mechanical face seals

Inner Active Seal™	WCCR (Tungsten Carbide)
Outer	WCCR (Tungsten Carbide)/RSiC (Silicon Carbide) option

Weight & dimensions

Weight (excl. cable)	871 lbs (395 kg)
Height	46" (1,169 mm)
Width	17.1" (436 mm)

Approvals

ATEX approval	II 2G EEX de IIB T3
MSHA certificate	X/P-3400-1

Options

Quick couplings

Accessories

Hose connections and floating rafts. Electrical accessories such as pump controllers, control panels and monitoring relays. Zinc anodes.
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Rating 60 Hz

• 3450 rpm
• 58 hp (43 kW)