



Flygt 2190.690

EXPLOSION-PROOF CLASSIC DEWATERING PUMP

60Hz



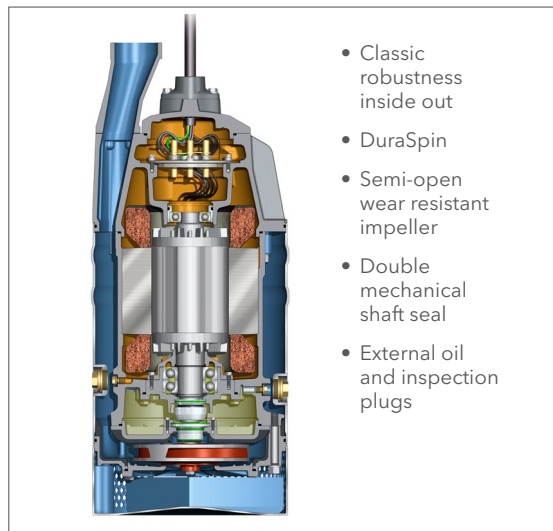
Part of a classic dewatering pump range, the new cast iron, is suitable for heavy-duty jobs where liquids are abrasive or contains chlorides. And - where safety comes first.

The explosion-proof Flygt 2190 is certified to operate safe in potentially hazardous areas, which is a necessity in many industrial and mining applications. With a steady cast iron body, this pump is also truly hardwearing and versatile. Furthermore, cast iron make for extremely reliable pumps, enduring both chemical and mechanical wear.

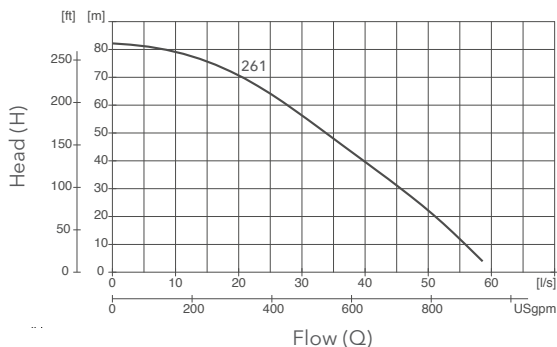
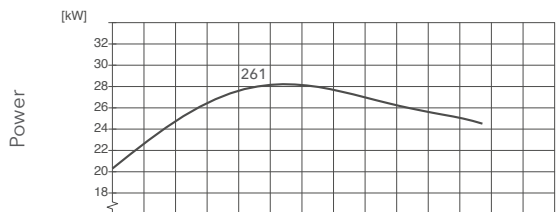
Like its siblings in the proven Flygt 2000 range, this pump features the conical trim sleeve that make downtime a thing of the past. This fast and easy impeller-adjustment feature restores hydraulic tolerances to near-original condition, boosting pump performance. And sturdier-than-ever cable entry ensures safe, continuous operation.

Hydraulic options include:

- The unique closed impeller and the suction cover with Dura-Spin™ grooves work together sweeping abrasive particles away from the impeller neck.
- The Semi-open impeller with its back-swept vanes effectively prevents string solids from obstructing the pump and increases uptime.



- Classic robustness inside out
- DuraSpin
- Semi-open wear resistant impeller
- Double mechanical shaft seal
- External oil and inspection plugs



Voltage (V)	Connection	Rated current (A)	Starting current (A)
220	D	91	630
230	D	88	665
380	Y	53	360
380	Y//	53	320
400	Y	51	375
400	Y//	50	340
440	DSER	45	377
440	D	46	296
460	DSER	43	292
460	D	43	274
480	D	42	287
575	D	35	227
600	D	33	238

Denomination

Product code	2190.690
Installation	Portable (S)
Discharge connection	4"
Impeller characteristics	High Head (HT) Wear resistant impeller with DuraSpin
	High Head (HT) Semi-open wear resistant impeller (option)

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/m ³)
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	230°F (140°C)
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Cables

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) / RISC (Silicone Carbide)

Weight & dimensions

Weight (excl. cable)	739 lbs (335 kg)
Height	41.3" (1,048 mm)
Width	17.2" (436 mm)

Approvals

ATEX I M2 Ex db h I Mb, IECEx db h I Mb

Options

Stainless Steel impeller
Quick couplings

Accessories

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

Rating 60 Hz

- 3,525 rpm
- 39 HP (29 kW)



www.xylem.com/flygt/