



Flygt 2190.690

EXPLOSION-PROOF CLASSIC DEWATERING PUMP

50Hz



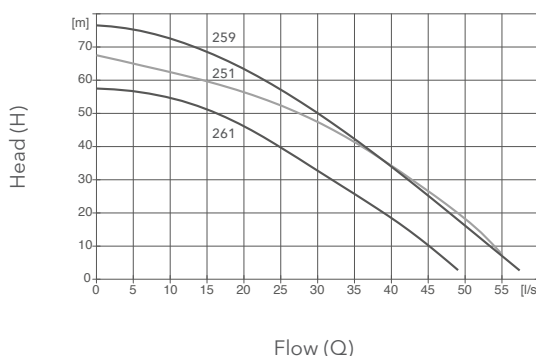
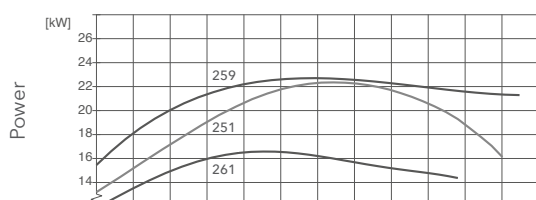
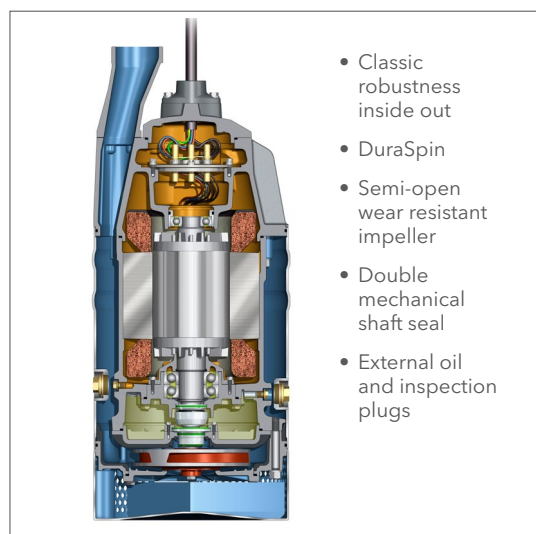
Part of a classic dewatering pump range, the new cast iron, is suitable for heavy-duty jobs where liquids are abrasive or contains chlorides. And - where safety comes first.

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.



Voltage (V)	Connection	Rated current (A)	Starting current (A)
220	D	72	460
230	D	69	485
380	Y	42	265
380	D	42	258
400	Y	40	280
400	D	40	269
415	D	39	286
440	D	38	305
500	D	32	227
525	D	31	240
550	D	31	254
660	Y	24	150
690	Y	23	158
1000	Y	16	128

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	40°C
Depth of immersion	max 20 m
Liquid density	max 1,100 kg/m ³
Strainer hole dimension	Ø12 mm
pH of pumped liquid	pH 6-11

Motor data

Frequency	50 Hz
Insulation class	H (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	140°C
------------------	-------

Cables

SUBCAB®	Submersible cable
---------	-------------------

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)	335 kg
Height	1,048 mm
Width	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 50 Hz

• 2,935 rpm
• 23 kW