PENTAIR

JUNG PUMPEN®

MULTICUT 08
SEWAGE PUMPS

08/2 MS

2 YEARS WARRANTY

FEATURES

Cutting rotor with stirring effect.

External adjustable cutting mechanism.

SiC mechanical seal.

Plug-in cable connection.

Moisture-sealed cable inlet.

Controllable oil chamber.

Installed motor protection.

Max. head - 18 m.

Max. flow - 308 lpm.

Built in level controller (MS model only)

APPLICATIONS

- Suitable for pumping domestic wastewater with the usual additions (as specified in German standard DIN 1986, Part 3).

OPERATING CONDITIONS

Install the pump veritcally (hose connection possible); in case of stationary installation provide detachable connection infront of the swing-type check valve and / or incorporate a guide rail system.
Operate in conditions where the material to be transported is up to 40°C.
Continuous operation where the motor is submerged.
Intermittent operation where the motor is emerged to 10%. E.g. 10%= 1 min. operation, 9 min. break. (explosion proof model 35%).

PUMP CONSTRUCTION MATERIALS

Vertical, single-stage, submersible, spiral casing with horizontal discharge flange, open impeller MultiCut cutting system - adjustable.

Pump casing:	Cast Iron
Wear plate:	Spheroidal ductile iron.
Pump base:	Stainless steel.
Cutting device:	Hardened stainless steel (57 HRC).
Wear plate:	Glass reinforced plastic.
Motor shaft:	Stainless steel.
Mechanical seal:	Silicon carbide mechanical seal with oil chamber and duplex radial shaft seal towards the motor compartment.

MULTICUT CUTTING SYSTEM

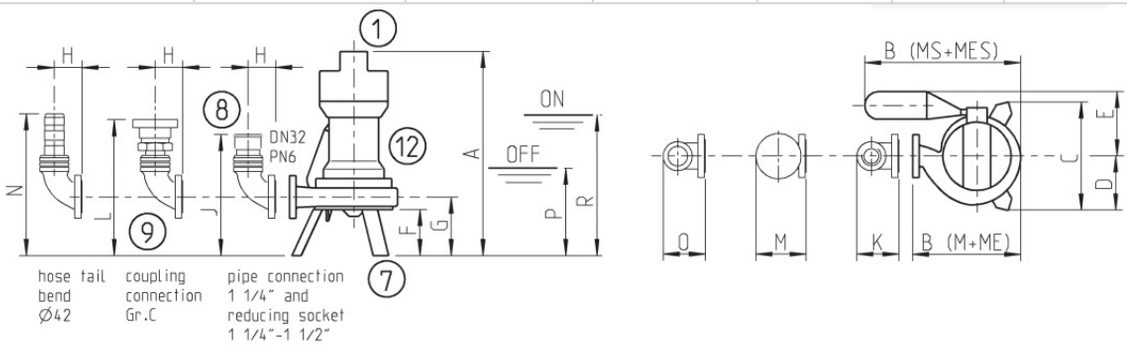
The unique MultiCut cutting system ensures a maximum of operational safety at outstanding delivery characteristics. Fitted with a cutter plate made of hardened stainless steel and a three-bladed knife, it disintergrates coarse additions in the wastewater with more than 62,000 cutting processes per minute before they can get into the pump hydraulics. Solids which cannot be transported are rejected outside of the pump by the cutting rotor as the cutting system is located upstream from the pump hydraulics. Specifically arranged grooves on the cutter plate ensure additional safety as the cutting unit is permantently cleaned automatically during the delivery.

ELECTRICAL DATA

Type	Type of current	Voltage ±10%	Frequency Hz	Motor rating kW		RPM min	Current ampere	Motor protection	IP Rating
				P1	P2				
08/2 M	3-phase	400	50	1.65	1.24	2674	2.8 A	In-built	68
08/2 MS (w. float)	3-phase	400	50	1.65	1.24	2674	2.8 A	In-built	68
08/2 MES (w.float)	1-phase	230	50						

DIMENSIONS

Type	Maximum Height x Width	Discharge branch	Cable quality	Cable length	Weight approx.	Maximum solids
08/2 M	370 x 235 mm	DN 32	H07RN-F-4G1	10 m	16.5 kg	8 mm
08/2 MS (w. float)	370 x 340 mm	DN 32	H07RN-F-4G1	10 m	17.2 kg	8 mm
08/2 MES (w.float)						

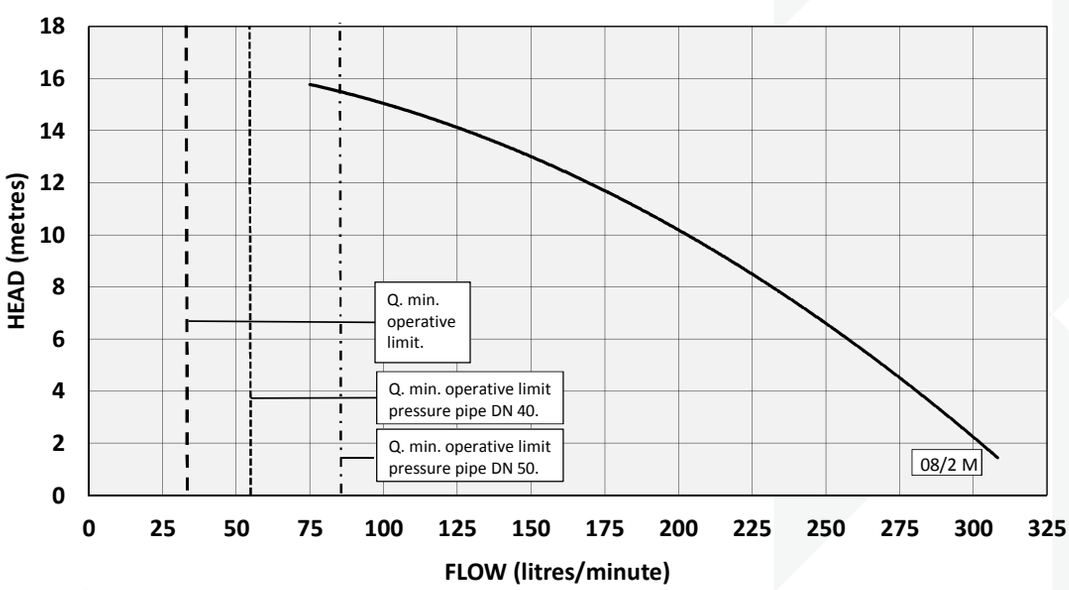


Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R
08/2 M	445	235	230	-	-	100	128	60	265	90	300	110	310	90	-	-
08/2 MS (w. float)	445	340	-	115	140	100	128	60	265	90	300	110	310	90	190	305
08/2 MES (w.float)	445	340	-	115	140	100	128	60	265	90	300	110	310	90	190	305

PERFORMANCE

Type	P/No	Delivery head [m]	2	4	6	8	10	12	14
08/2 M	**JP09945**	Flow rate [lpm]	304	282	257	232	230	167	127
08/2 MS (w. float)	**JP09946**								
08/2 MES (w.float)	**JP44087**								

PERFORMANCE CURVE



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