

## Gerstenberg Schröder Plunger Pump

### GS Plunger Pump Benefits:

#### **SANITARY DESIGN**

The series of GS high-pressure plunger pumps are designed to maintain an ideal product flow. The GS pumps meet the highest standards of hygiene and thus the strictest requirements in the food industry. All product parts subject to contact with food are crafted in stainless steel AISI 316.

#### **MINIMAL NOISE**

Each GS pump is mounted on adjustable feet built to withstand vibration. The motor is protected by a stainless steel cover, which is insulated to minimise noise. Noise levels never exceed 76 dB – even when the equipment is operating at maximum power.

#### **EASY TO ADJUST**

The GS pumps have variable capacities that are easily adjusted by a frequency converter (optional). They are also equipped with both a pressure gauge and a pressure transmitter.

#### **SIMPLE OPERATION AND MAINTENANCE**

Seals in the high-pressure plunger pumps need no lubrication other than the product itself. The GS plunger pumps are also designed for fast, simple servicing and maintenance, and easy CIP cleaning.

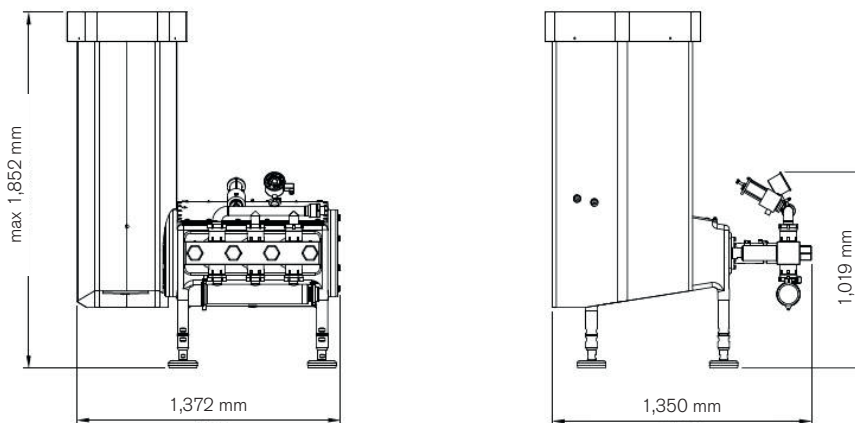


#### **MATERIALS**

Product contacting parts are made of stainless steel AISI 316. All packing materials are approved for use with food.

GS PLUNGER PUMP	P-3-10/35**	P-3-15/35**	P-3-55/80	P-3-60/80	P-3-68/100	P3-90/100H	P3-90/100
NOMINAL CAPACITY AT 50 Hz - GEAR 1 [L/H]	115	255	2,475	2,900	4,800	NA	NA
NOMINAL CAPACITY AT 50 Hz - GEAR 2 [L/H]	NA	NA	3,600	4,200	7,000	12,000	NA
NOMINAL CAPACITY AT 50 Hz - GEAR 3 [L/H]	NA	NA	NA	NA	10,400	NA	22,000
NOMINAL RPM AT 50 Hz - GEAR 1 [RPM]	265	265	73	75	71	NA	NA
NOMINAL RPM AT 50 Hz - GEAR 2 [RPM]	NA	NA	109	109	105	106	105
NOMINAL RPM AT 50 Hz - GEAR 3 [RPM]	NA	NA	NA	NA	160	NA	198
MAX. CAPACITY AT 100 Hz [L/H] WITH FREQUENCY CONVERTER - GEAR 1	260	580	4,950	5,800	9,000	NA	NA
MAX. CAPACITY AT 100 Hz [L/H] WITH FREQUENCY CONVERTER - GEAR 2	NA	NA	7,350	8,400	13,700	16,000 AT 70Hz	NA
MAX. CAPACITY AT 100 Hz [L/H] WITH FREQUENCY CONVERTER - GEAR 3	NA	NA	NA	NA	20,500	NA	30,000 AT 70Hz
MOTOR [kW]	1.5	1.5	11-22	11-22	18.5-55	30	45
MAX. WORKING PRESSURE [BAR]	120	120	120	120	120	80	60
MAX. DESIGN PRESSURE [BAR]	160	160	160	160	160	80	60
PLUNGER DIAMETER [MM]	10	15	55	60	68	90	90
VALVES	CONICAL/BALL	CONICAL/BALL	CONICAL/BALL	CONICAL/BALL	CONICAL/BALL	CONICAL/BALL	CONICAL/BALL
INLET [MM]	25	25	76.1	76.1	76.1	88.9	88.9
OUTLET [MM]	12/25	12/25	44.5	44.5	44.5	88.9	88.9
NOISE LEVEL [dB]	76	76	76	76	76	76	76
FREQUENCY CONVERTER	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION
MACHINE WEIGHT [KG]*	140	140	1,300	1,400	1,800	1,900	2,000
OIL COOLER	NO	NO	NO	NO	OPTION AT 15.000 L/H	NO	OPTION

\* Approximately. \*\* For pilot plants.



GS plunger pump P-3-68/100

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