Progressive cavity pump

BN 17-12 / A6-J0-J0-H5-GAM

Application data

C 000 XXX001

Conveyed product	Gums / Oil / FFA / Water
Remark	WEP TAG: 19-J-853A PROJECT - WORPAR ITEM NBR - PW582G.2/1 eB NBR - 100212291.000 DATE - 18.10.2021
Flowability	flowable
Viscosity	2500 cPs
Solids content	not specified
Size of solids	not specified
Density	0.979
Product temperature	50°F - 176°F
pH value	5-9
Kind of operation	continuous
Operating hours	8 h/day
Location	outdoor, humid atmosphere
Altitude of installation	up to 1000 m assumed
Surrounding temperature	normal (32-104F)

Performance data

Capacity	**Pressure**	**Speed**	
7.2 USGPM	147 psi	89 rpm	
36.2 USGPM	147 psi	257 rpm	- Speeds adjusted for viscosity

Starting torque	280 lb.ft
Req. operating power at pump shaft	5.9 HP
Inlet pressure	flooded suction (up to 0,5bar)
NPSHr	17 ft

Tolerances according to SEEPEX standards.

Materials and executions

Installation	horizontal
Direction of rotation	counter clockwise (left)
Lantern - Design	with cover plates
Lantern - Material	EN-JL 1040 (gci-25)
Lantern - Flange diameter	250 mm
Suction casing - Design	standard
Suction casing - Material	1.4408 / ASTM A351 grade CF8M
Pressure branch - Design	standard
Pressure branch - Material	1.4408 / ASTM A351 grade CF8M
Position of branch	position 1
Suction connection	NPS 6, drilled acc. to ASME B 16.5, Class 150, RF
Pressure connection	NPS 4, drilled acc. to ASME B 16.5, Class 150, RF
Joint - Design	pin joint with joint sleeve, grease filled
Joint - Material	standard, holding bands 1.4401
Joint - Universal joint sleeve: material	FPM
Joint - Joint Grease	joint grease SEEPEX 30321
Coupling rod - Design	standard
Coupling rod - Material	1.4404 / AISI 316L
Rotor - Design	standard
Rotor - Undersize	N/A
Rotor - Material	1.4404 / AISI 316L
Rotor - Coating	ductile chromium coating
Stator - Design	standard, with TSE, sensor sleeve 1.4404
Stator - Material	FPM special
Shaft sealing	mechanical seal
Code	GAM - single acting mechanical seal