

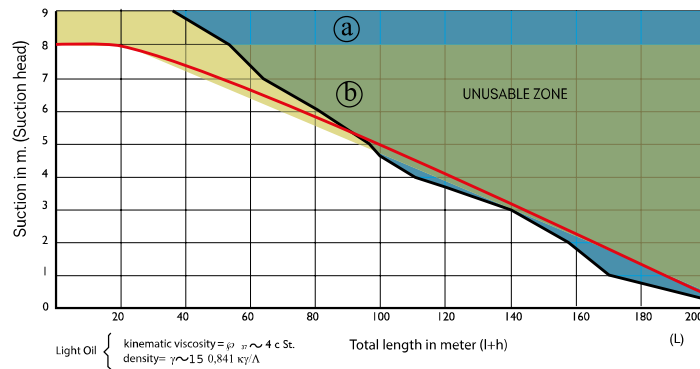
OIL SUCTION TRANSFER UNITS

GPS N - 1 PUMP

MODEL		GPS-35 N	GPS-70 N	GPS-130 N	GPS-200 N	GPS-350 N	GPS-950 N	GPS-1500 N
FLOW	l/h	30	70	130	200	350	950	1500
POWER SUPPLY	VOLTS	230/400 mono phase	230/400 tri-phase (*)	230/400 tri-phase (*)	230/400 tri-phase (*)	230/400 tri-phase (*)	230/400 tri-phase (*)	230/400 tri-phase (*)
MOTOR POWER	C.V.	1/6	1/4	1/3	1/3	1/3	3/4	1
	KW	0,12	0,18	0,25	0,25	0,25	0,55	0,75
RECOMMENDED SUCTION PIPE	mm Ø (OD)	12	15	15	18	22	25	32
POWER	BSP Thread	G 3/8" F	G 1/2" F	G 1/2" F	G 3/4" F	1" F	1" F	1" F
RETURN PIPE BURNER	mm Ø PIPING	G 3/8" F	G 1/2" F	G 1/2" F	G 1/2" F	1" F	1" F	1" F
TANK CAPACITY	lts.	13,6	35	35	35	163	163	217
MOTOR PROTECTION	IP	20	55	55	55	55	55	55

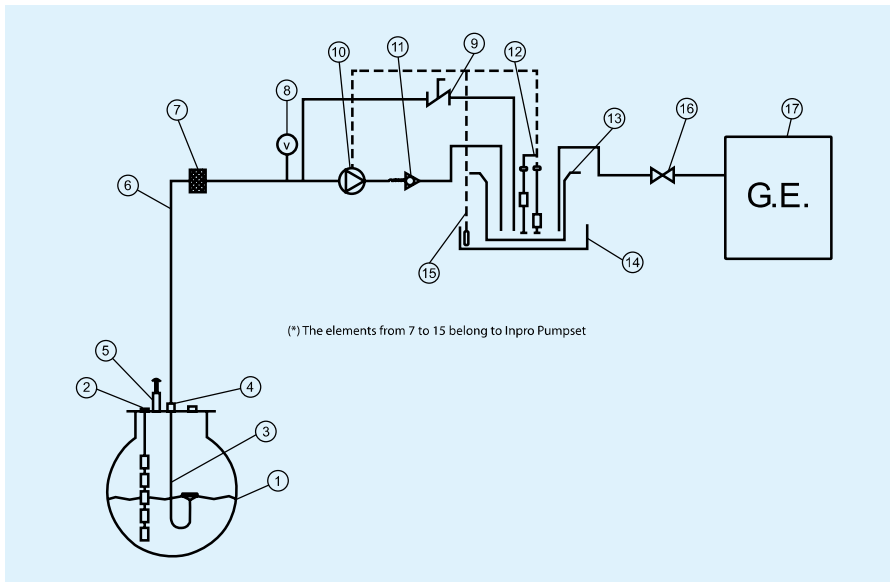
- (*) There is a 230 single-phase version (W). Other voltages under request.

MODEL	GPS-35 N	GPS-70 N	GPS-130 N	GPS-200 N	GPS-350 N	GPS-950 N	GPS-1500 N
A	260	370	370	370	370	600	600
B	390	640	640	640	640	1.030	1.030
C	360	400	400	400	400	650	650
D	260	-	-	-	-	-	-
E	40	-	-	-	-	-	-
F	410	430	430	430	850	850	850
G	460	670	670	670	900	900	900
H	80	120	120	120	220	220	220
Approx. Weight (kg)	10	35	36	36	75	75	75



Suction curves and total length

- (a) GPS-35N / GPS-35 GE / GPS-70 N / GPS-70 GE / GPS-35 DRUCK
 (b) GPS-130N-GE / GPS-200 N-GE / GPS-350 N-GE / GPS-950 N-GE



- 1) Main storage tank
- 2) Remote level gauge
- 3) Floating suction
- 4) Manhole
- 5) Ventilation tee
- 6) Intake pipe
- 7) (*) Filter
- 8) (*) Vacuum gauge
- 9) (*) by-pass valve
- 10) (*) electric gear pump
- 11) (*) anti-return valve
12. (*) Safety/service switches (level)
- 13) (*) Tank
- 14) (*) Drip tray
- 15) (*) Leak detection
- 16) Quick shut-off valve
- 17) Burner/boiler

GPS N Suction feed pump units for EL heating oil, individual units, including oil drip tray and leakage oil detector

Scope of delivery: tank, motor, gear pump, coupling, manifold, filter, vacuum gauge, non-return valve, level switch operation/safety, thermostat set at 40°C, motor circuit breaker. Assembled ready for connection. Standard version with two burner pipe connections and one return line connection. With voltage-free signal output. Additional suction line connections at an additional cost. Installed in oil drip pan with leakage oil detector with infrared probe and 0.75 m. cable. For floor installation; GPS-35 also suitable for wall mounting.

Motor protection class IP-55

Basically, the flow rate depends on suction length, suction resistance, suction height, pipe cross-section and temperature (see diagram). The devices are not suitable for outdoor installation.

The unit is built and tested according to DIN EN 12514-1.

Technical Characteristics

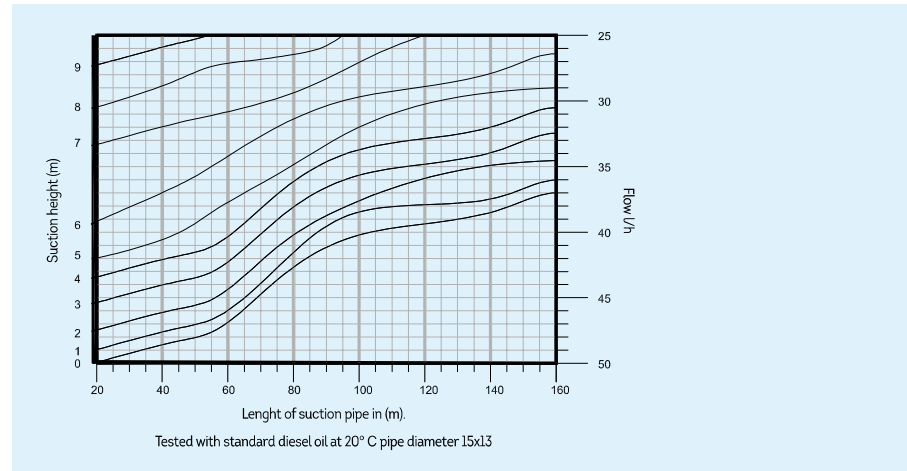
- Voltage free general alarm outlet.
- Output to attach anti-siphon solenoid valve.
- Oil leak collector tray with infrared detector.
- Safety thermostat (40° C) for temperature gasification.
- 2 burner connections and 1 return connection.

Accessories and adaptations

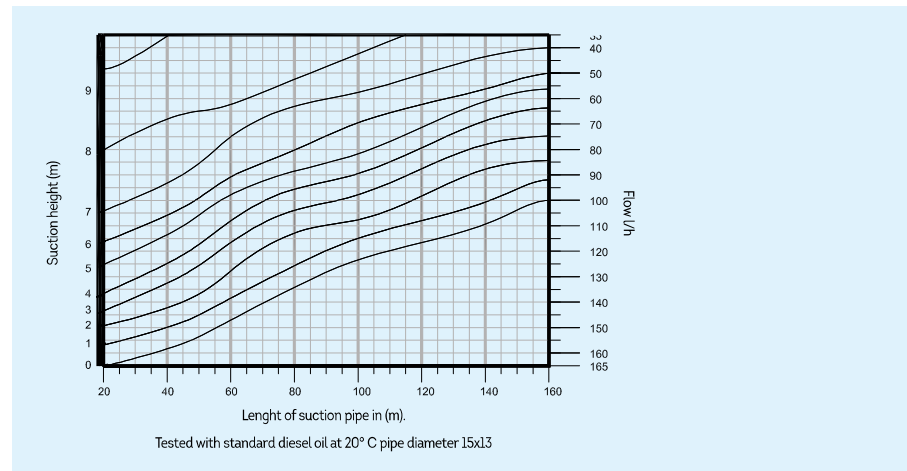
- 8 free relay outputs to control incidents from centralised post / BMS (2-Thermal, 2-Motors ON, Low level, High Level, Temperature above 40° C, and Leak detection ON)
- GSM alarm system by means of SMS messages, or connection to modem.
- Adaptation of Suction Groups with greater tank capacity for installations designed for Power Generators, replacing the daily tank.
- Modifications for extreme environments or subject to regulations (Tropicalisation, ATEX, etc.)
- Solenoid valves for siphon installations.
- Additional suction intakes for more burners.

SUCTION DIAGRAMS FOR GPS

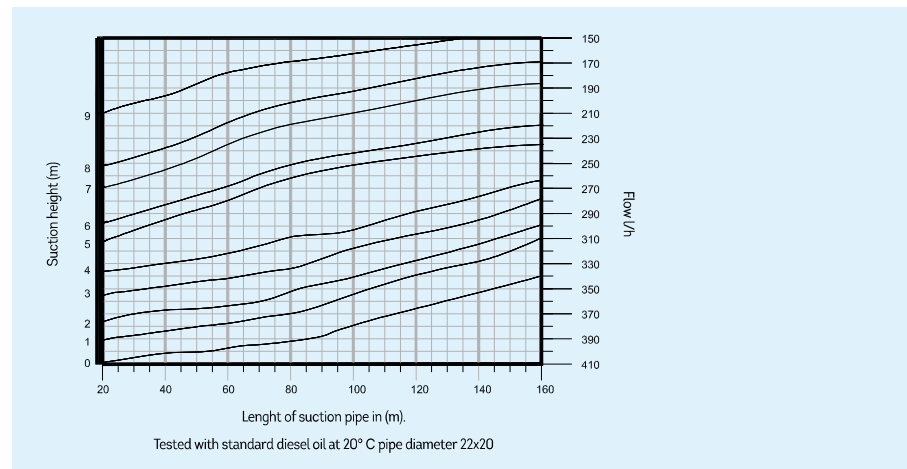
SUCTION DIAGRAM FOR GPS-35



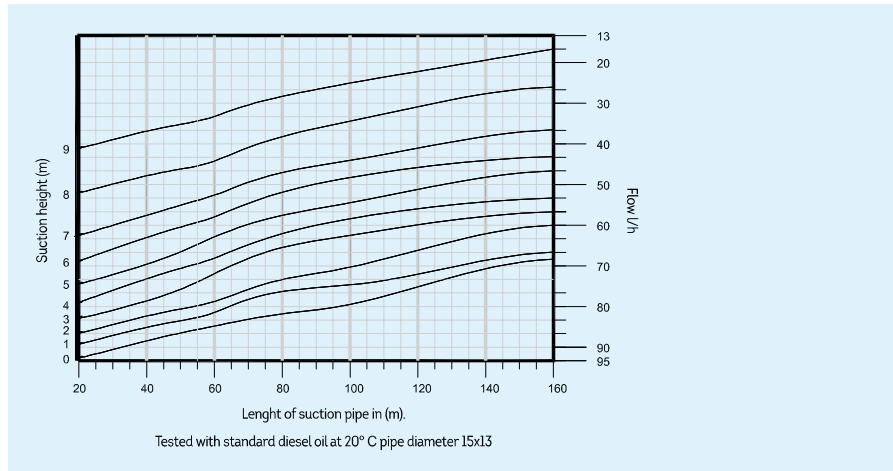
SUCTION DIAGRAM FOR GPS-130



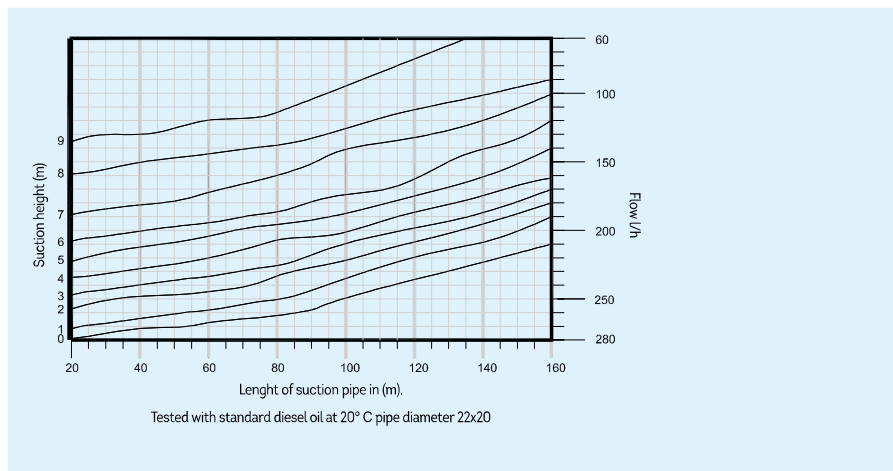
SUCTION DIAGRAM FOR GPS-350



SUCTION DIAGRAM FOR GPS-70



SUCTION DIAGRAM FOR GPS-200



SUCTION DIAGRAM FOR GPS-950

