



impulse[®]
Dewatering Technologies



 **ecomizerpro**

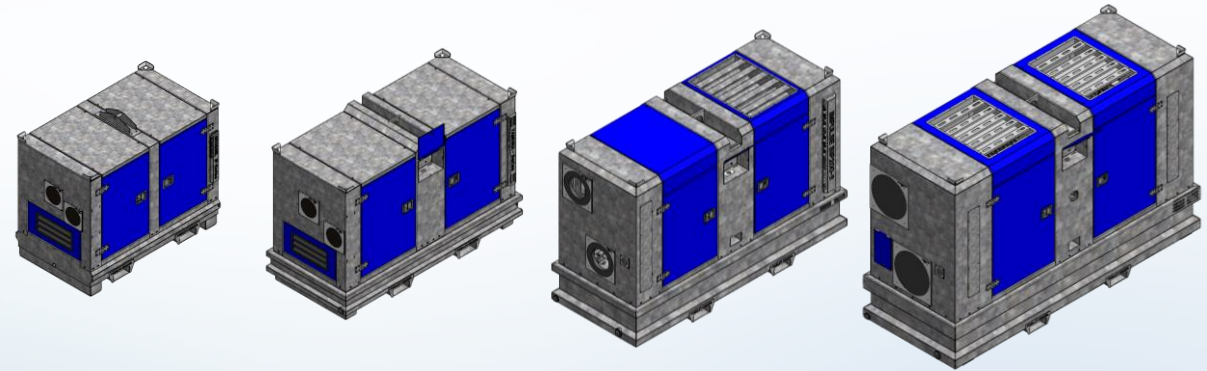


COMPANY BROCHURE & PRODUCT PRESENTATION

ABOUT IMPULSE



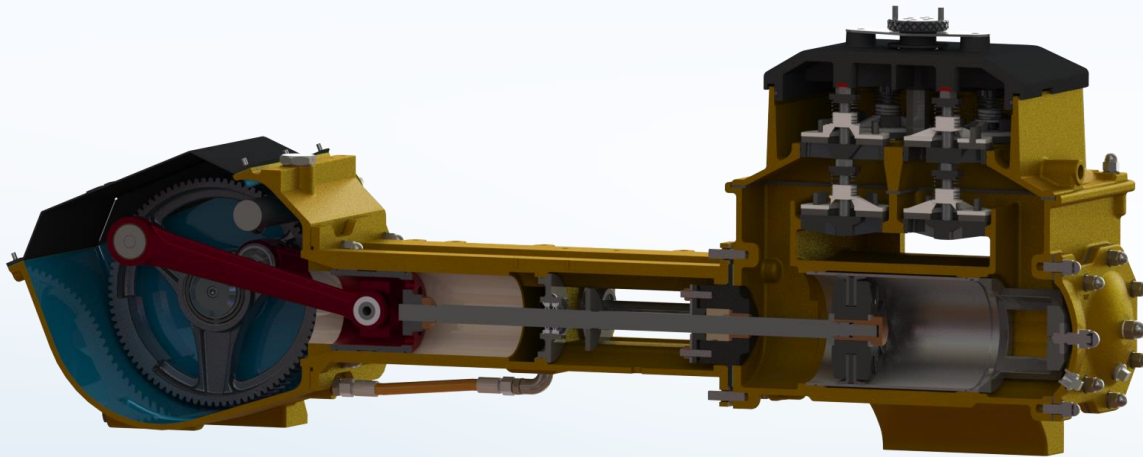
- Founded in 2004.
- Manufacturer of mobile pump sets.
- Applications: groundwater management, waste-water, infrastructure projects and rental markets.
- Complete in-house production



Impulse manufactures two types of pumps.

IP SERIES

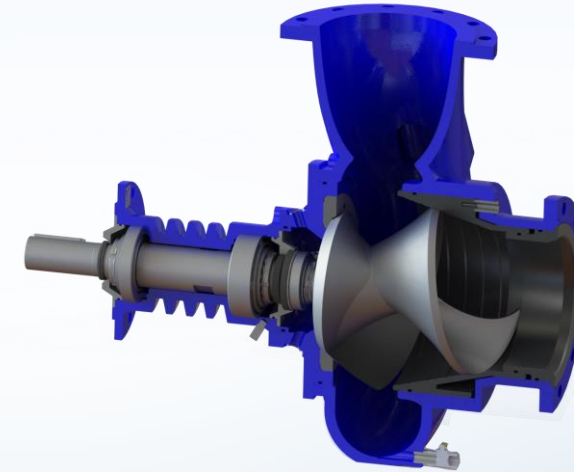
IMPULSE PISTON PUMPS



Groundwater Lowering Pump (Clean Water)

SIP SERIES

SCREW IMPELLER PUMPS



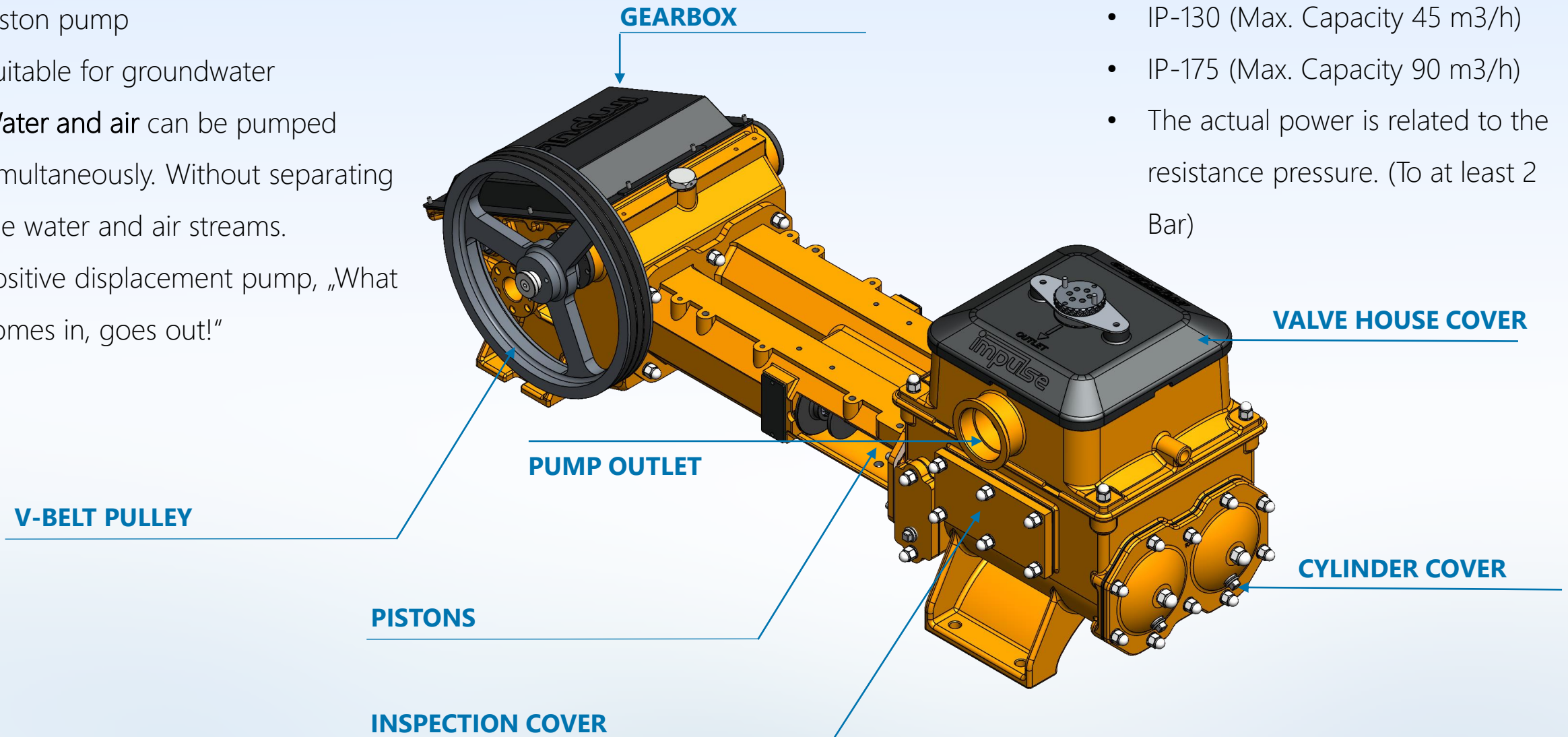
Sewage Pump (Waste Water)

IP SERIES

- Piston pump
- Suitable for groundwater
- **Water and air** can be pumped simultaneously. Without separating the water and air streams.
- Positive displacement pump, „What comes in, goes out!“

2 VERSIONS

- IP-130 (Max. Capacity 45 m³/h)
- IP-175 (Max. Capacity 90 m³/h)
- The actual power is related to the resistance pressure. (To at least 2 Bar)



Important Information

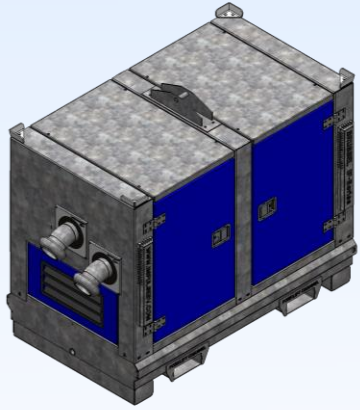
IP SERIES

Not for liquids with solid particles

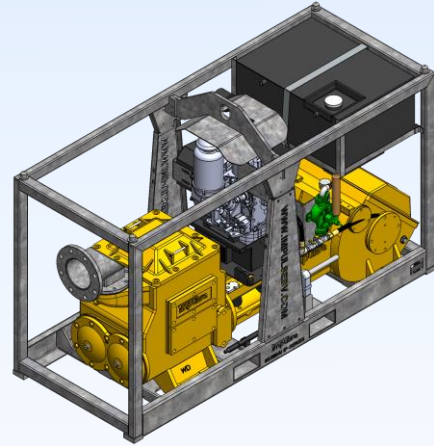
- Robust and reliable for demanding conditions
- Available in diesel and electrically powered versions
- Ideal for groundwater lowering with well points or drainage systems
- Pumping of water and air simultaneously possible, suitable for environments with soil gases
- High performance with low fuel consumption
- Easy maintenance and servicing
- Customizable according to needs, e.g. with logo bars
- Standardized and easily integrated with other Impulse products
- Focus on Return on Investment for highest value for users
- Extremely simple operation
- Fully shielded (oil pressure/temperature etc.) machines
- Reliable
- Extremely low fuel consumption
- Robust and designed for the harsh environment in which it must operate.

IP PUMPS OVERVIEW

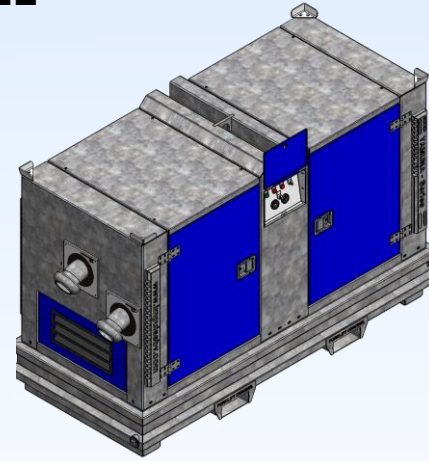
DIESEL



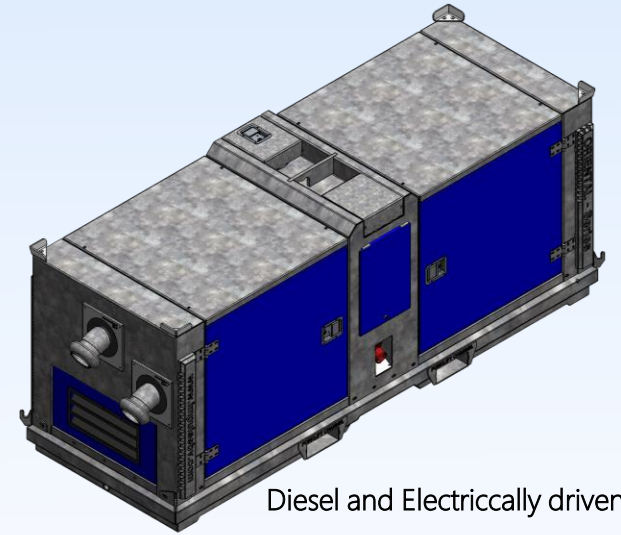
Brussel (IP-130)



AbuDhabi (IP-175)

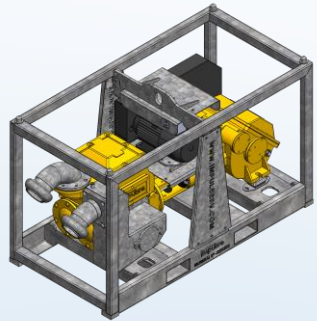


Yamuna (IP-175)

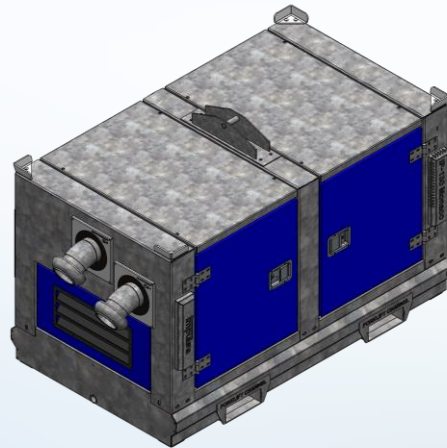


Diesel and Electrically driven
Oriental D+E (IP-175)

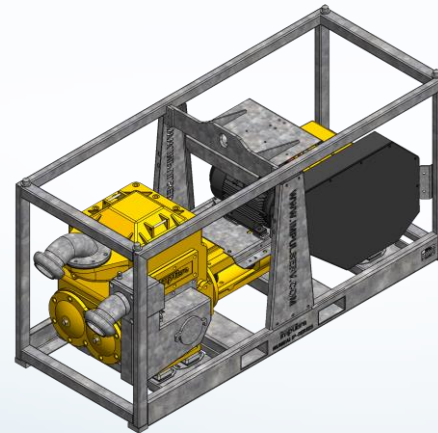
ELECTRIC



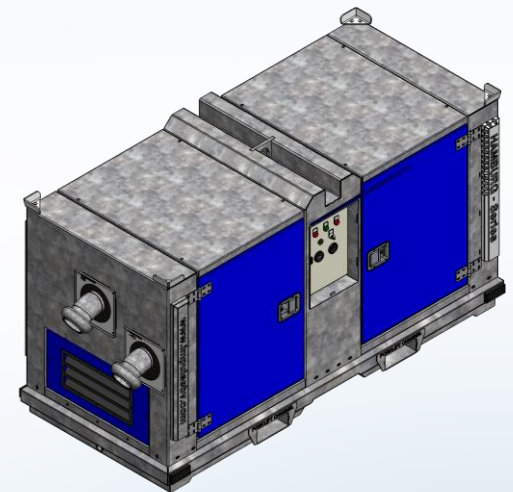
Mini Mumbai (IP-130)



Monaco (IP-130)

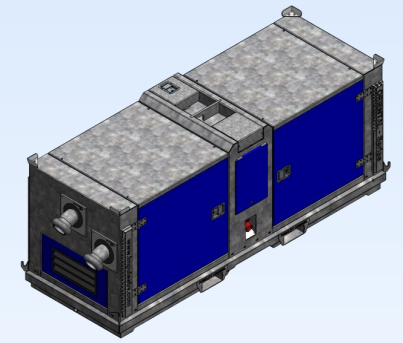
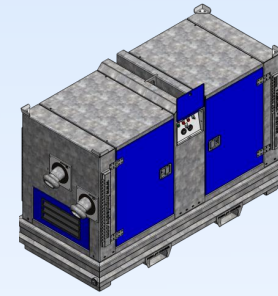
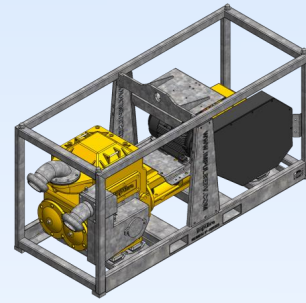


Mumbai (IP-175)



Hamburg (IP-175)

IP SERIES SPECIFICATIONS

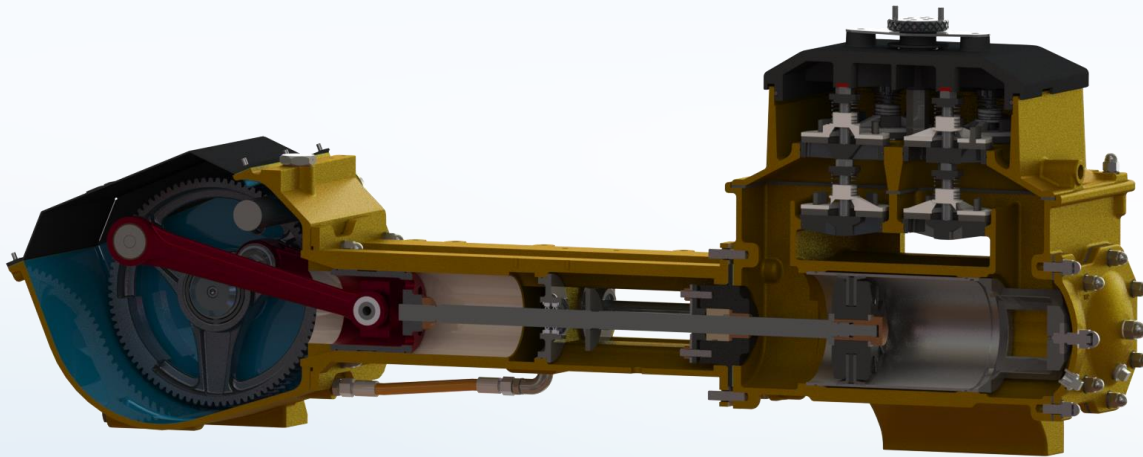


	Type	Dimensions (LxBxH) (m)	Weight (kg)	Engine	Fuel Tank (L) Electric Engine (kW)	Average fuel consumption	Operating hours per tank filling
Brussel	IP-130	1,7 x 1,0 x 1,3	1135	HATZ 1B30E (3,5kW @ 2300 UPM)	130 L	0,6 L / h	> 1 Week
AbuDhabi	IP-175	2,0 x 0,8 x 1,1	1300	HATZ 1D81S (5,5 kW @ 1500 UPM)	100 L	0,8 L / h	> 5 Days
Yamuna	IP-175	2,3 x 1,0 x 1,5	1950	HATZ 1D90E-Z (5,7 kW @ 1500 UPM)	225 L	0,9 L / h	> 9 Days
Oriental	IP-175	2,8 x 1,0 x 1,2	2005	HATZ 1D90E-Z (5,7 kW @ 1500 UPM)	150 L	0,9 L / h	> 6 Days
Mini Mumbai	IP-130	1,5 x 0,8 x 0,9	670	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	3,7 kW	2,5 kW (avg.)	-
Monaco	IP-130	1,7 x 1,0 x 1,0	1050	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	3,7 kW	2,5 kW (avg.)	-
Mumbai	IP-175	0,8 x 2,0 x 1,0	1215	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	7,5 kW	4,0 kW (avg.)	-
Hamburg	IP-175	2,3 x 1,0 x 1,2	1600	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	7,5 kW	4,0 kW (avg.)	-

Impulse manufactures two types of pumps.

IP SERIES

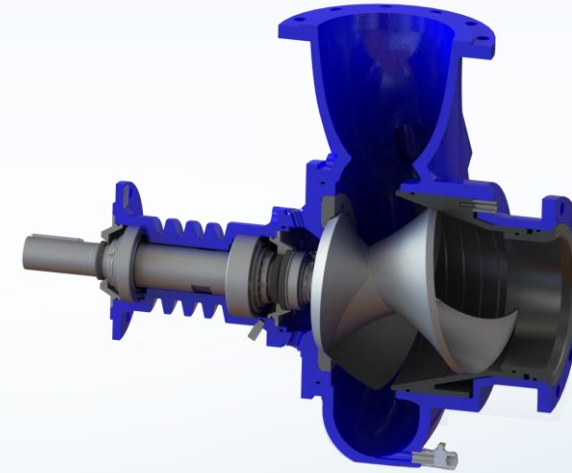
IMPULSE PISTON PUMPS



Groundwater Lowering Pump (Clean Water)

SIP SERIES

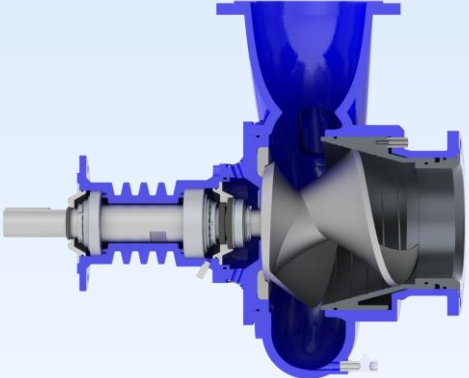
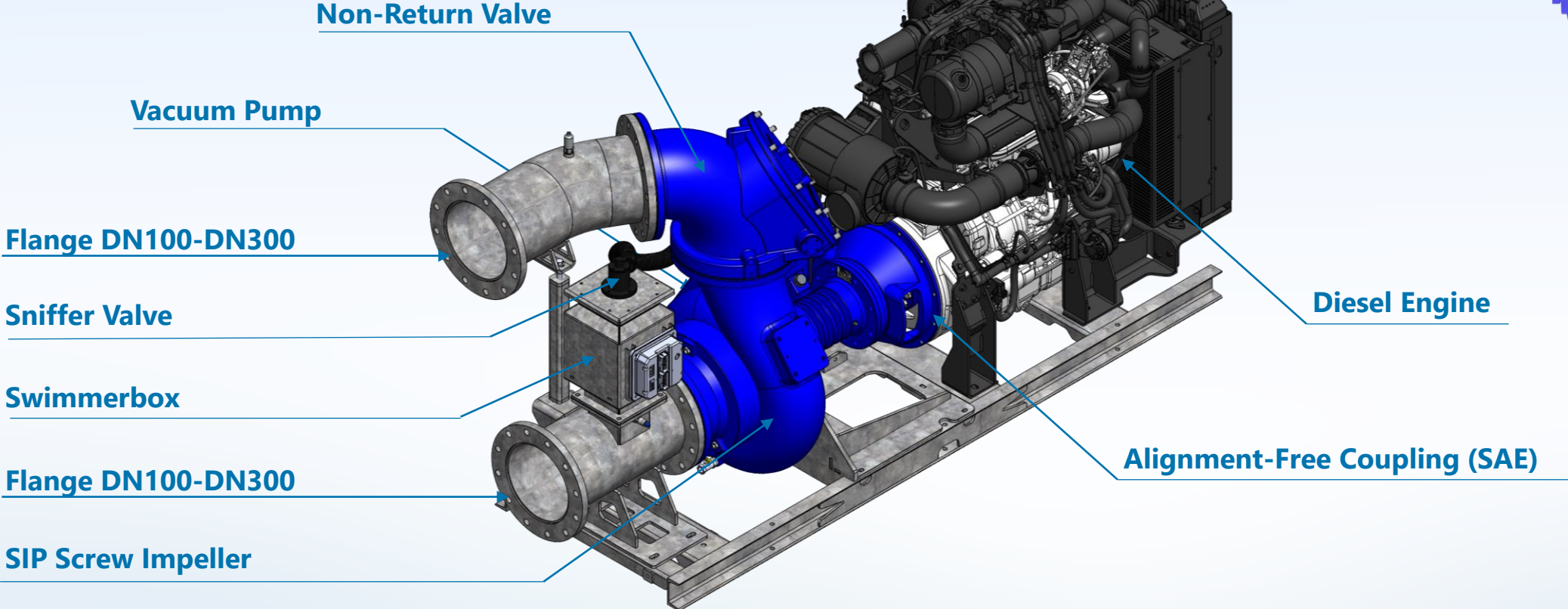
SCREW IMPELLER PUMPS



Sewage Pump (Waste Water)

SIP HEAVY-DUTY PUMPS

SCREW IMPELLER BYPASSING PUMPS



SIP HEAVY-DUTY PUMPS

STANDARD CONSTRUCTION



PRESSURE SIDE

ADJUSTABLE FRONTCONE

ADJUSTABLE BACK CONE

BACK CONE ADJUSTING BOLT

SCREW IMPELLER

SUCTION SIDE

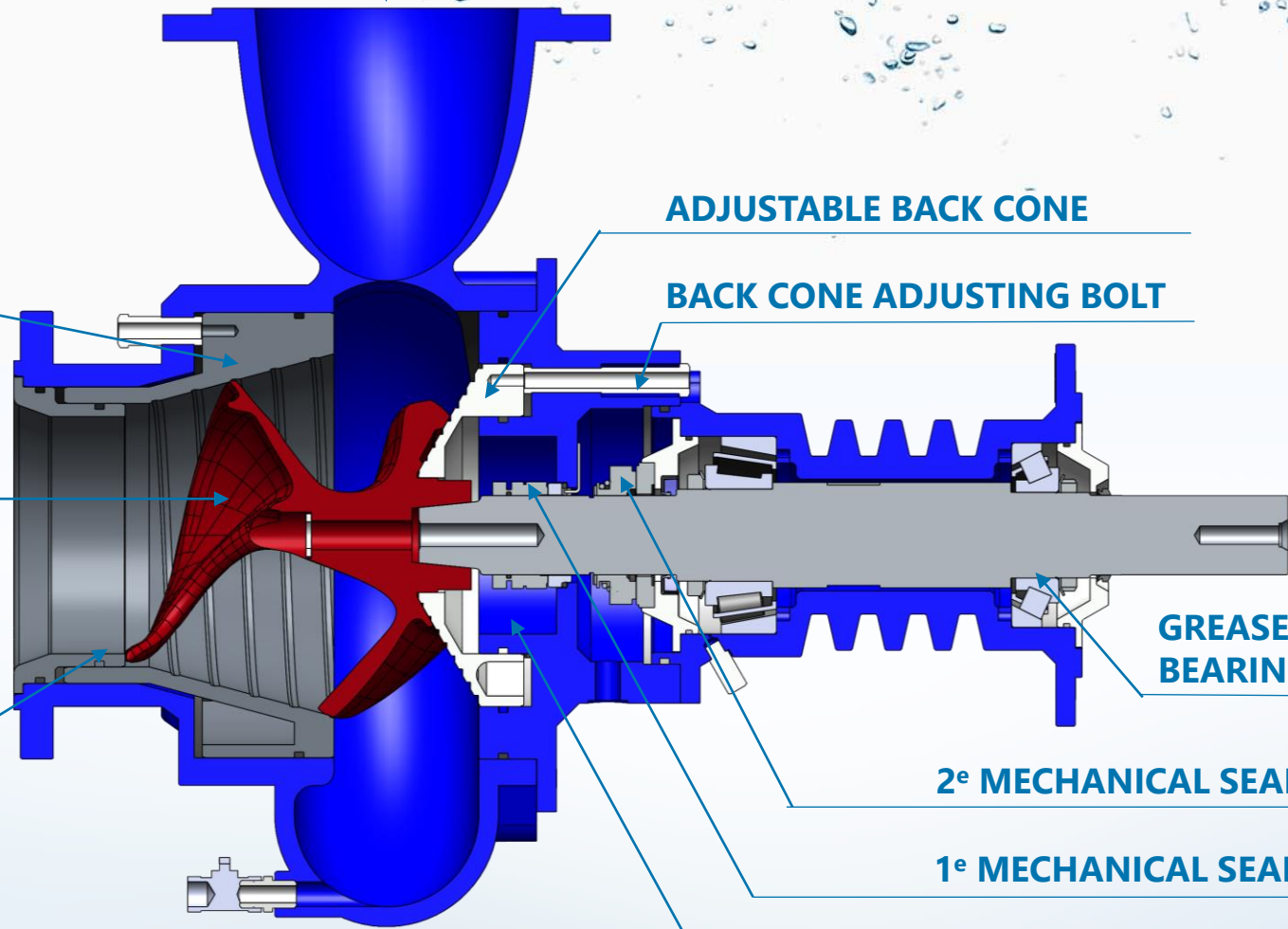
GREASE LUBRICATED BEARING HOUSE

IMPELLER PROTECTION RING

2^e MECHANICAL SEAL

1^e MECHANICAL SEAL

OIL CHAMBER MECHANICAL SEAL



Important Information

SIP SERIES

- SIP series pumps are extremely easy to maintain and operate.
- All SIP series centrifugal pumps are manufactured to the same "blueprint".
- Pump sizes from 4" to 12", capacity from 40 m³/hour up to 1200 m³/hour.
- 3 canopy sizes: **standard, medium** and **large**.
- Many identical parts which are also used in the piston pump range.
- The entire SIP range already covers 70% to 80% of the requirements of low pressure units used in the construction industry and can therefore always compete with all other "mobile pumps" on the market for low pressure pump applications (up to 2.5 bar pressure).

Important Information

SIP SERIES

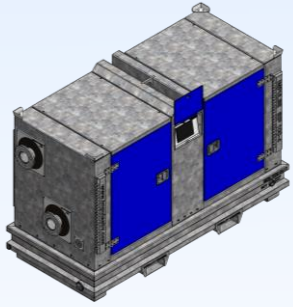
All SIP pump configurations are controlled by their unique Ecomizer-Pro pump controller. Ecomizer-Pro is an extremely user-friendly controller (without any buttons) specifically designed for use in pump (bypass) applications.

The operation of the Ecomizer-Pro pump control is explained in detail in the **Ecomizer-Pro User Manual**.

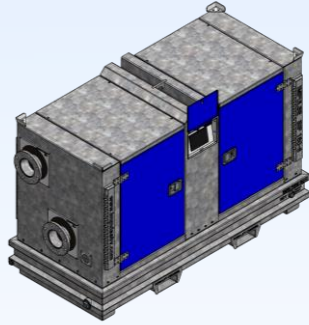


SIP PUMPS OVERVIEW

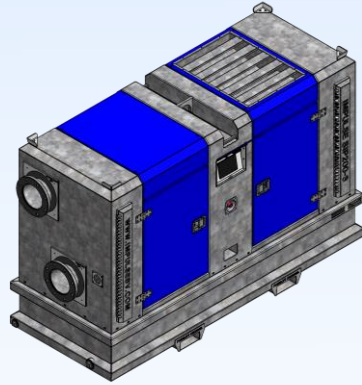
DIESEL



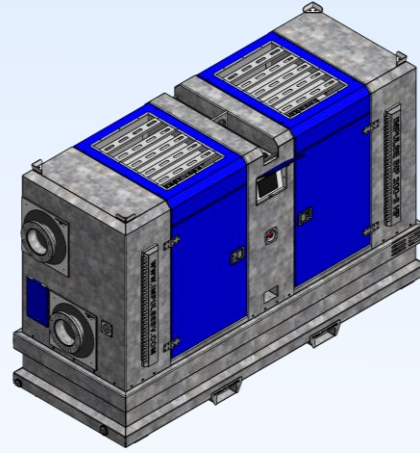
SIP 100-4



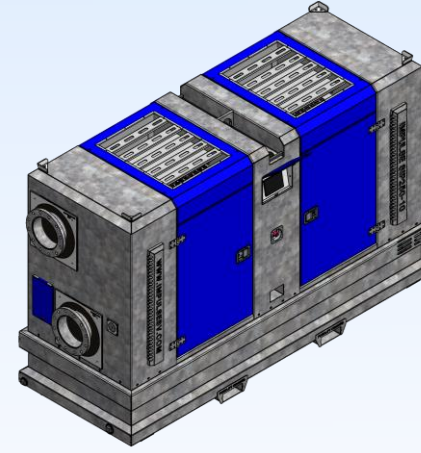
SIP 150-6



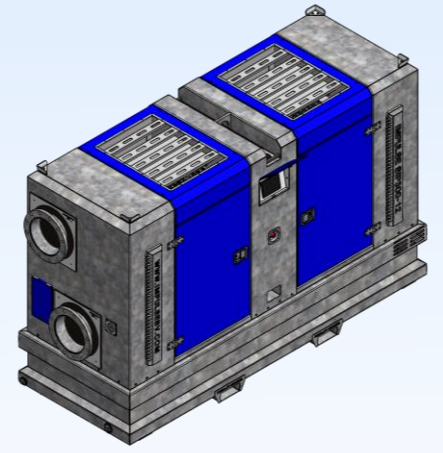
SIP 200-8



SIP 200-8 HP

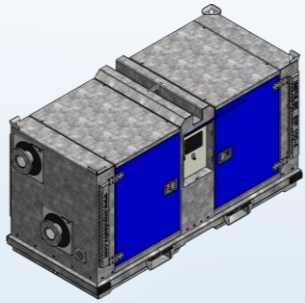


SIP 250-10

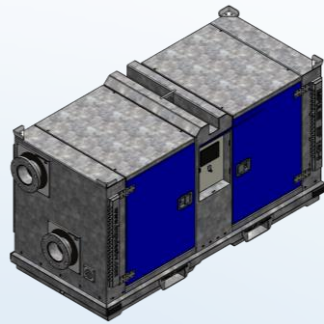


SIP 300-12

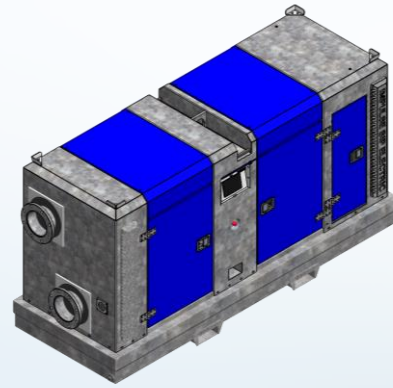
ELECTRIC



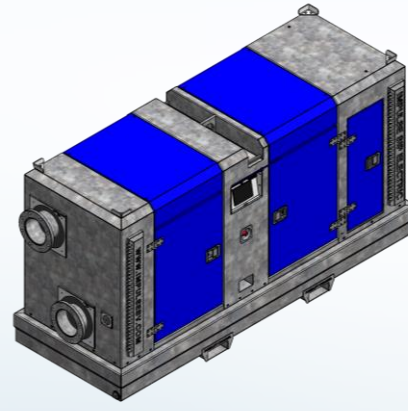
E-SIP 100-4



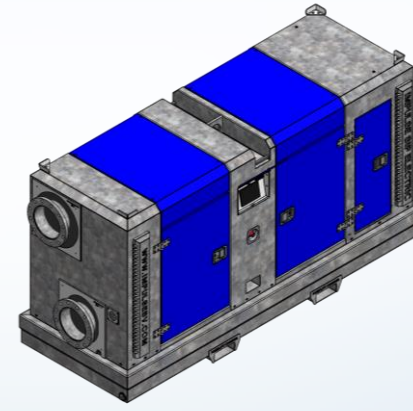
E-SIP 150-6



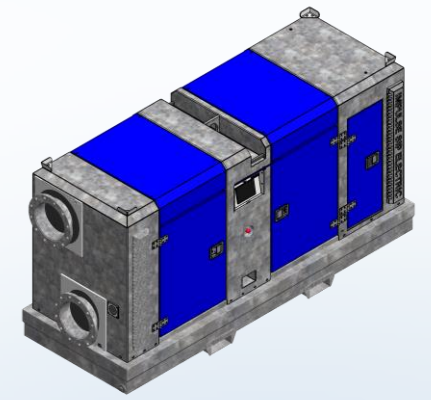
E-SIP 200-8



E-SIP 200-8 HP



E-SIP 250-10



E-SIP 300-12

SIP SERIES SPECIFICATIONS

	Max. Capacity (m ³ / h)	Max. Head (m)	Max. Passage Diameter	Dimensions (LxBxH) (m)	Weight (kg)	Engine	Fuel Tank (L) Elektromotor (kW)
SIP 100-4	132	21,8	75 mm	2,3 x 1,0 x 1,5	1330	HATZ 1D90ZE	225 L
SIP 150-6	385	28,1	100 mm	2,3 x 1,0 x 1,5	1700	HATZ 3H50T	225 L
SIP 200-8	574	29,9	100 mm	2,8 x 1,1 x 1,8	2150	HATZ 4H50TIC	450 L
SIP 200-8 HP	680	42,3	115 mm	3,2 x 1,2 x 2,1	3250	JCB 448 STAGE V	500 L
SIP 250-10	985	45,2	120 mm	3,2 x 1,2 x 2,1	3400	JCB 448 STAGE V	3,7 kW
SIP 300-12	1235	51,1	120 mm	3,2 x 1,2 x 2,1	3615	JCB 448 STAGE V	3,7 kW
E-SIP 100-4	145	24,6	75 mm	2,3 x 1,0 x 1,2	1130	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	7,5 kW
E-SIP 150-6	400	31,9	100 mm	2,3 x 1,0 x 1,2	1300	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	18,5 kW
E-SIP 200-8	748	30,4	100 mm	3,1 x 1,1 x 1,7	1925	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	37 kW
E-SIP 200-8 HP	710	47,8	115 mm	3,1 x 1,1 x 1,7	2500	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	55 kW or 75 kW
E-SIP 250-10	985	45,9	120 mm	3,1 x 1,1 x 1,7	2500	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	55 kW or 75 kW
E-SIP 300-12	1235	50,6	120 mm	3,1 x 1,1 x 1,7	2615	IMPULSE IE3 ELECTRIC ENGINE 400/690V 50-60Hz 3F	75 kW

A dynamic background of water splashing and bubbling, with a large wave of water moving from the top right towards the center, and smaller splashes at the bottom left.

impulse[®]
Dewatering Technologies

A blue circular icon containing a white hand cursor pointing upwards.

ecomizerpro

Impossible to live without water

All rights strictly reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietor. Property of Impulse Holding B.V.
Copyright Impulse Pumps B.V.