

SCREWLINE



**DRY
AIR COOLED
ON-SITE CLEANABLE
FOR HARSHTEST
PROCESSES**

Our SCREWLINE is an extremely robust dry screw pump for food processing applications with on-site cleanability of pump chamber and screw rotors by the user.

Our Solution

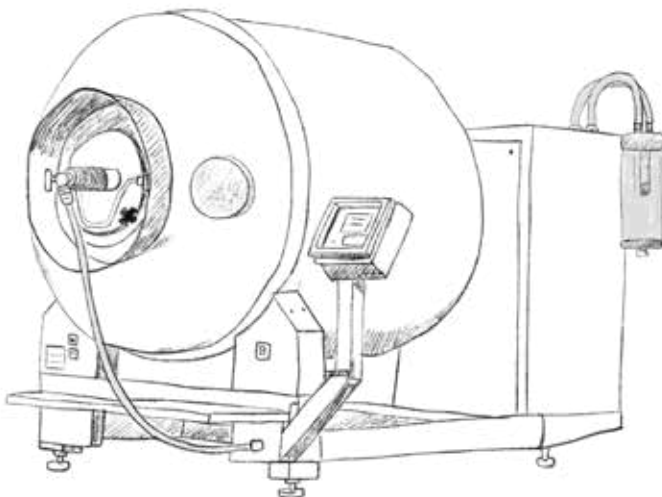
- Dry screw technology
- Cantilevered design
- Air cooled
- Pumping speed 250 and 630 m³/h
- Ultimate pressure $\leq 1 \times 10^{-2}$ mbar
- Monitoring system
- Direct connection of RUVAC Roots pumps via adapter

Typical Applications

- Freeze drying (human food and pet food)
- Tumbling
- SRM and by-products conveying
- Vacuum cooling

Customer Benefits

- Designed for demanding processes
- Highest uptime
- Low total cost of ownership
- Easy to disassemble pump chamber for rapid cleaning



SCREWLINE pumps enable simple disassembly of the pump chamber for on-site cleaning by the customer

Technical Data

SCREWLINE

		SP 250		SP 630	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹	270	330	630	630
Ultimate pressure ¹⁾	mbar	≤ 0.01	≤ 0.005	≤ 0.01	≤ 0.01
Maximum permissible water vapor capacity	kg x h ⁻¹	10	18	14	14
Cooling		Air	Air	Air	Air
Motor power	kW	7.5	7.5	15	15
Protection class EN 60529		IP 55	IP 55	IP 55	IP 55
Lubricant filling	l	7	7	13	13
Noise level ²⁾	dB(A)	67	72	73	75
Connections					
Intake side	DN	63 ISO-K	63 ISO-K	63 ISO-K	63 ISO-K
Pressure side	DN	100 ISO-K	100 ISO-K	100 ISO-K	100 ISO-K
Weight, approx.	kg	450	450	530	530
Dimensions (W x H x D)	mm	1350 x 880 x 530	1350 x 880 x 530	1630 x 880 x 660	1630 x 880 x 660

¹⁾ To DIN 28 400 ff.

²⁾ Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m (3.5 ft)

Ordering Information

SCREWLINE

	SP 250		SP 630
	50/60 Hz		
	Part No.	Part No.	
SCREWLINE with manual gas ballast and SPGuard 400V, 50Hz / 200V, 50Hz / 460V, 60Hz / 210V, 60Hz	115 001	-	
SCREWLINE with manual gas ballast and SPGuard 190V-210V / 380V-420V, 50Hz 190V-210V / 380V-420V, ±5%, 60Hz	- -	117007 117008	
SCREWLINE Oxygen version with electromagnetic gas ballast and SPGuard 190V-210V / 380V-420V, ±5%, 50Hz 190V-210V / 380V-420V, ±5%, 60Hz	- -	117039 117040	
Exhaust silencer	119002	119001	