



Screw pumps

Waukesha Universal Twin Screw pump

Multipurpose pump for process duty and CIP supply



Multipurpose pump for process duty and CIP supply

- Wide range of operating speed
- Wide flow range from 0,1 to 277 m³/h
- Maximum pressure of 25,5 bar
- Bi-directional flow capability without pump modifications



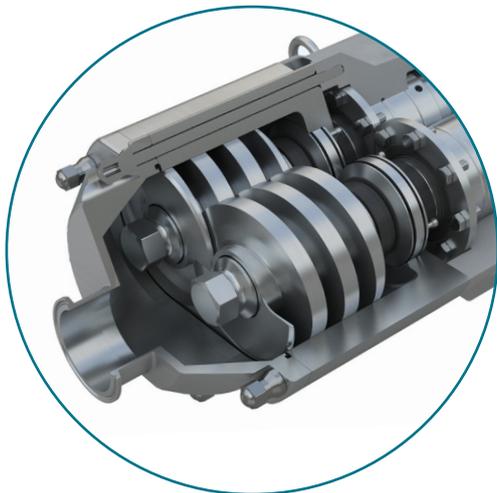
Reliable operation and gentle product handling. Pumps large particles without degradation and allows wide selection of capacities, pressures and flow rates.

- Non-galling Waukesha 88 Alloy screws in three pitch options – narrow, midrange and wide – permit running at tighter clearances and pumping a wide range of viscosities (from 1 to 1 000 000 cPo)

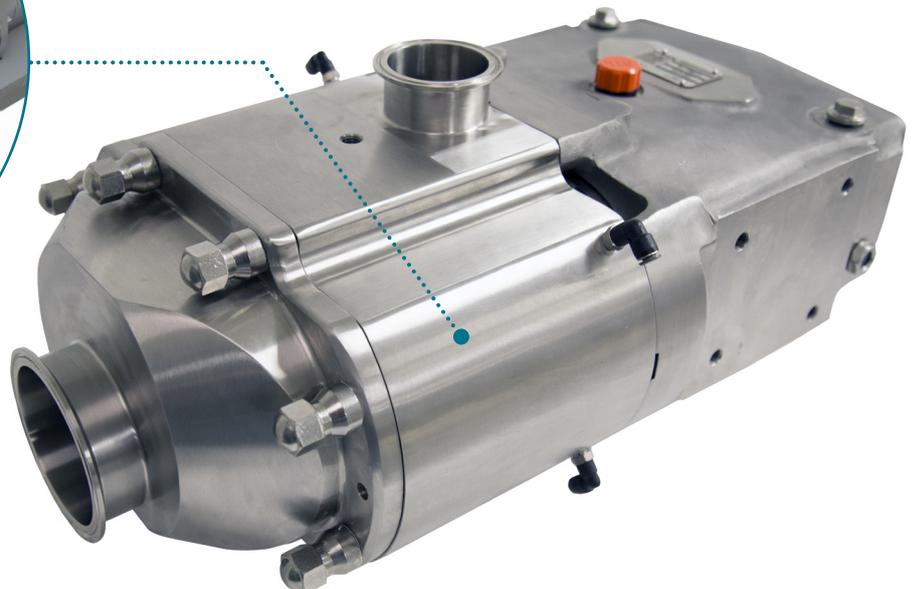


Sanitary design in every detail - for reliable and long operating life

- Pump body and cover are free draining
- Screw/shaft connection sealed from product zone
- Single and Double mechanical seal options
- All models include seal flush ports for optional double seal
- Steam-In-Place capable
- Stainless steel gear case standard



Waukesha
Cherry-Burrell

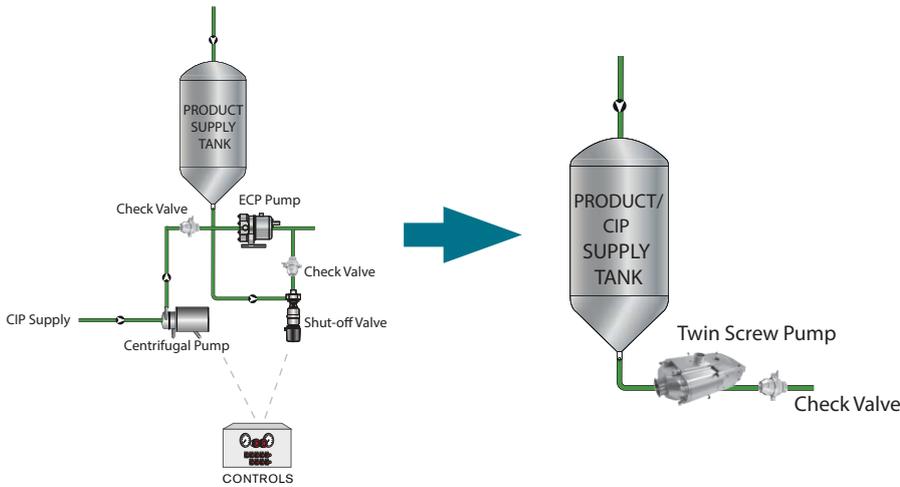


AxFlow



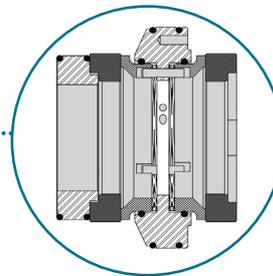
Screw pumps

No need for extra pumps, valves, and controls from your process



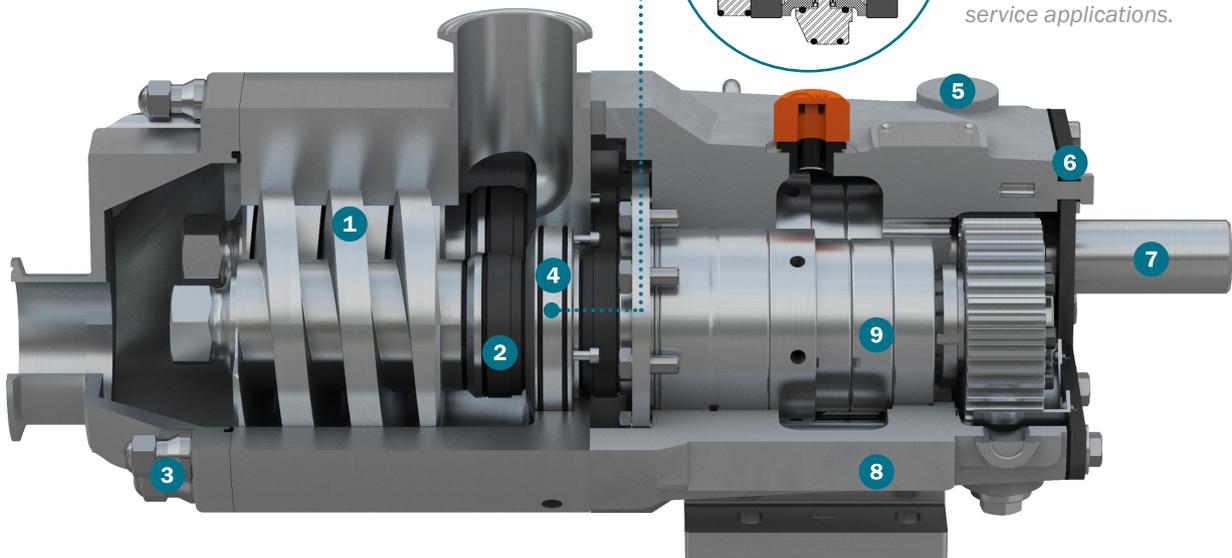
With its high suction capability, the Universal TS Series pump is both process and CIP capable, allowing you to reduce the number of pumps, valves, and control systems in your process and save capital equipment costs.

Performance and Reliability



Single or Double Mechanical Seal

Used with flushing fluid to cool, lubricate, and flush away residue. Ideal arrangement for severe service applications.



- 1 Screws made from Waukesha „88“ non-galling alloy for close running clearance
- 2 Field interchangeable seal option for every service
- 3 316L stainless steel construction
- 4 Single or double mechanical seal
- 5 Common oil reservoir for gear and bearing
- 6 Anodized aluminum cover for heat sink, allows for higher running speed
- 7 Heavy duty shaft for greater torque capacity
- 8 Standard stainless steel gear case
- 9 High strength bearings to maintain axial loads



Screw pumps

Choose the right screw pitch for your process

Three screw pitch options for all models offer a wide selection of capacities, pressures, flow rate profiles, and particle sizes.



Narrow pitch - applications requiring higher pressures with lower flow rates



Midrange pitch - offers a balance in pressure and flow velocities between the larger and smaller screw profiles



Wide range - for applications requiring lower pressures with higher flow rates or a need to accommodate larger particulates

Options and accessories

O-rings - Fluoroelastomer (FKM), EPDM, Fluoroelastomer (FFKM)

Mechanical seals - Carbon, Silicon Carbide, Tungsten Carbide

Connections - Clamp, SMS, DIN, RJT, DIN or ANSI flanges, rectangular inlet flange



Applications

Dairy

Creams / milks, yogurts, cheese curd and whey, white cheeses

Meat and fish

Minced meat, tallow and lard, pet food

Convenience food

Pasta, tomato concentrates and sauces, fruit and vegetable purees (puree / pieces), soups and stews, baby food, starches

Brewing & beverages

Beers, musts, yeasts, sodas, fruit juices, fruit concentrates

Bakery & confectionery

Dough, puddings and jams, fruit fillings, food colorings and flavoring agents, sweeteners, yeast, sugar syrups, creams, starches

Oil, fat, sauce & mayonnaise

Fats and oils, mayonnaise, fatty sauces

Cosmetics

Creams and lotions, dyes, hair styling gels, essential oils, shampoo

Pharmaceutical products

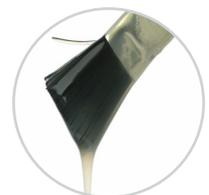
Pills pastes, extracts, syrups, slurries, emulsions, ointments

Detergents

Detergents, softeners

Chemical

Oils and lubricants, sludge, resins and polymers, paints, solvents, fuels

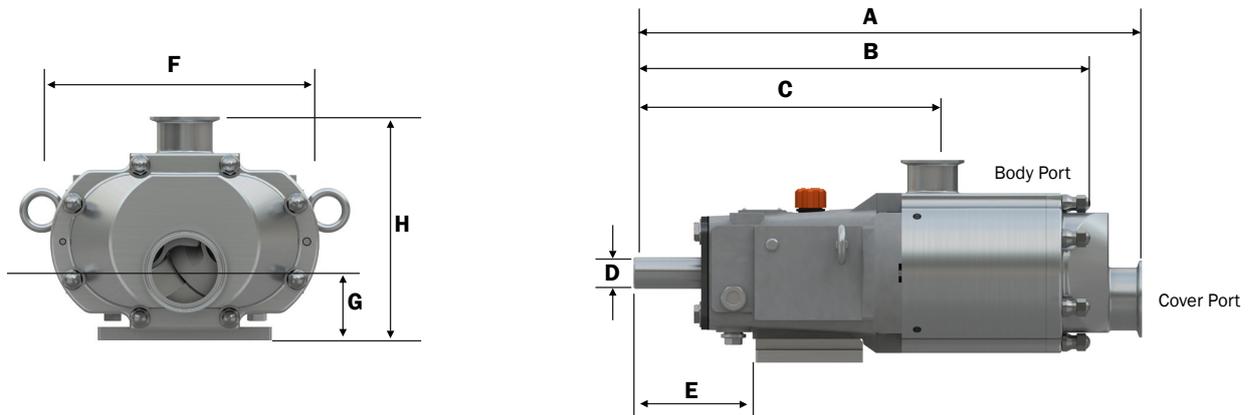




Screw pumps

Product Dimensions

Model	A (mm)	B (mm)	C (mm)	D +0.000/-0.001 (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Cover Port (mm)	Body Port (mm)	Weight (kg)
015-UTS	417	389	261	22.23	103	195	56	172	38 or 51	38 or 51	39
030-UTS	511	459	300	31.75	123	245	64	204	51 or 76	51 or 64	73
130-UTS	656	594	388	41.28	133	332	101	271	76 or 102	64 or 76	175
220-UTS	858	585	462	50.8	147	428	103	398	102 or 152	102 or 152	340



Product Specifications

Modell	Screw Pitch	Displacement per revolution (Litre)	Nominal capacity (LPM)	Cover Port (mm)	Body Port (mm)	Maximum Particulate (mm)	Pressure Range max (Bar)	Maximum RPM (T/min)	Temp range (°C)
015-UTS	16.5	0.08	265	51	38	8	25.5	3500	-40 to 149
	33	0.11	398			17			
	44	0.15	530			11			
030-UTS	16.8	0.11	352	64	51	8		3100	
	28	0.19	587			14			
	42	0.30	939			21			
130-UTS	36.7	0.45	1136	102	64	18		2500	
	55	0.68	1703			28			
	73.4	0.91	2271			18			
220-UTS	45	1.14	2271	102	102	22	2000		
	60	1.51	3028	or	or	30			
	90	2.31	4618	152	152	45			



**We have the Universal TS pumps on stock for you.
Call us on +XX XXX XXX XXX to book your order.**

"fluidity.nonstop" is our promise and our commitment to a high level of service and an unparalleled quality of product, performance and expertise. AxFlow is Europe's leading source for pumps and pump expertise for the process industry. We aim to maintain and expand upon this position. We are continuously working to provide you exclusively with the best.