

Sanitary Centrifugal Pumps

C SERIES



Engineering excellence, allied to stringent quality control, ensures that SPX's unrivalled range of APV products complies with the highest international standards for hygiene. In the light of growing pressure worldwide to deliver safe, high quality food, all SPX products are designed for easy cleanability, while minimizing the use of valuable resources, such as energy. The APV product portfolio includes a wide range of pumps, valves, heat exchangers, mixers and homogenisers designed for use in the food, dairy and brewing industries, as well as in chemical, healthcare, pharmaceutical processing and heavy industries.

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader. The company's highly-specialized, engineered products and technologies serve customers in three primary strategic growth markets: infrastructure, process solutions, and diagnostic systems. Many of SPX's innovative solutions are playing a role in helping to meet rising global demand, particularly in emerging markets, for electricity, processed foods and beverages and vehicle services. The company's products include thermal heat transfer equipment for power plants; power transformers for utility companies; process equipment for the food & beverage industry; and diagnostic tools and equipment for the vehicle service industry. For more information, please visit www.spx.com.

C Series Sanitary Centrifugal Pumps

C Series Centrifugal Pumps find broad application throughout sanitary and industrial processes.

These rugged pumps accommodate a wide range of solids and liquids under a variety of flow conditions and deliver long service with minimum downtime.

KEY FEATURES:

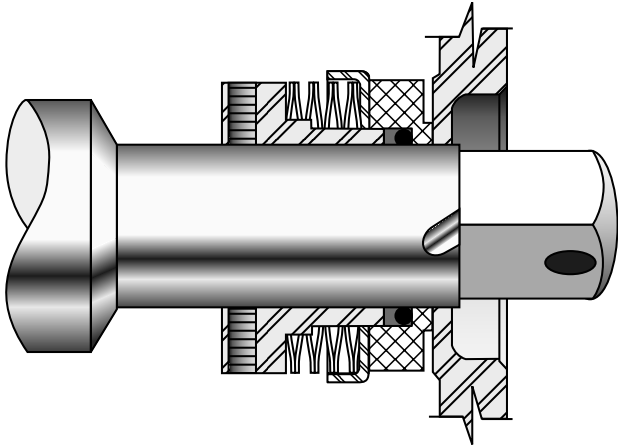
- Hydraulic balancing reduces pressure at sealing surface for less wear
- Easy-cleaning, open type impeller delivers smooth pumping performance
- Enlarged inlets available for larger suction lines
- Standard CIP capability
- 3A certified

304 stainless steel adapters and legs as standard - eliminate the rust, corrosion and chipping paint of conventional carbon steel parts.



Longer seal life — wave spring provides more uniform loading on seal face than single coil spring; hydraulic balancing reduces sealing surface pressures for less wear and less downtime.

Typical Product Applications



WAVE SPRING EXTENDS SEAL LIFE

Wave spring maintains uniform loading on seal faces for longer seal service.

CIP capability — grooves-in-impeller/shaft routes CIP chemical solutions to all critical areas for clean-in-place.

Fast, easy takedown — no special tools required; quick-opening, heavy-duty cast clamp secures casing; impeller pin retained by centrifugal force.



Casing matches job — choose from standard or enlarged inlet with port connection that better meets your piping system.

BEVERAGE

- Beer
- Cider
- Fruit Drinks
- Liquid Sugar and Glucose
- Soft drinks
- Wine
- Wort



FOOD

- Animal oils
- Flavourings
- Pet food
- Soups & Sauces
- Vegetable juice
- Vegetable oils
- Vinegars



DAIRY

- Cream
- Milk
- Milk concentrate
- Raw milk
- Skimmed milk
- Whey
- Whey concentrate



Product Specifications

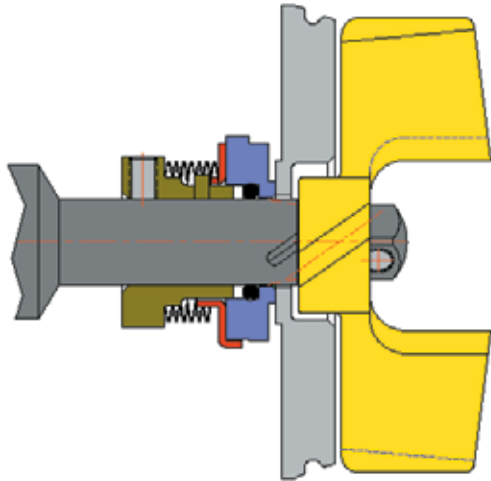
MATERIALS	
CASING	SS 316L
IMPELLER	
IMPELLER PIN	
BACK PLATE	
SHAFT	
ADAPTER	SS 304
LEGS	
MOTOR SHROUD	
SHAFT SEAL	CARBON/STAINLESS STEEL (D SEAL) OPTIONAL ROTARY SEAL (DG SEAL): SILICON CARBIDE, TUNGSTEN CARBIDE OPTIONAL STATIONARY SEAL (DG SEAL): SILICON CARBIDE, PUREBIDE, CERAMIC AND TUNGSTEN CARBIDE
ELASTOMERS	BUNA-N (FDA COMPLIANT) OPTIONAL: FKM, EPDM

CONNECTIONS	
STANDARD	ISO2852, CLAMP
OPTIONAL	THREADED CONNECTIONS: ISO2853, SMS 1145, DS 722, DIN 11851, BS 4825, PART 5 (RJT) CLAMP: BS4825, PART 3

TECHNICAL DATA	
MAX. INLET PRESSURE	1,75 BAR
MAX. OPERATING TEMPERATURE	100°C

Model	Inlet	Outlet	max. impeller	max. capacity (m³/h)		max. head (m)	
				2900 rpm	3500 rpm	2900 rpm	3500 rpm
C100	1 ½"	1"	3,68" (93mm)	14	17	11	17
C114	1 ½"	1 ½"	4" (102mm)	29	34	15	23
C114	2"	1 ½"	4" (102mm)	30	40	15	21
C216	2"	1 ½"	6" (152mm)	50	63	36	52
C216	2 ½"	1 ½"	6" (152mm)	52	64	35	51
C218	2"	1 ½"	8" (203mm)	52	73	66	94
C218	3"	1 ½"	8" (203mm)	95	115	62	93
C328	3"	2"	8" (203mm)	122	155	68	93
C328	4"	2"	8" (203mm)	122	175	68	95

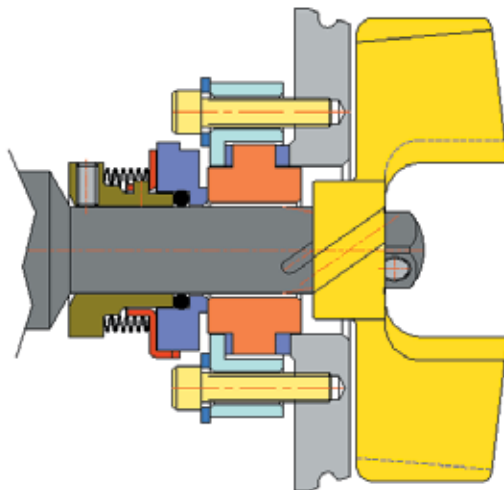
Shaft Seal Options



TYPE D

External Balanced Seal

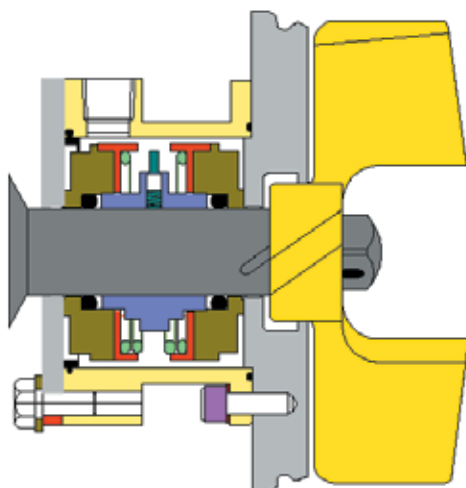
This versatile, dependable seal finds broad use in sanitary and industrial applications. Seal material is carbon rotating on the stationary stainless steel.



TYPE DG

Clamped-in Seal Seat

This seal is ideal for applications where resistance to corrosion is required or for abrasive or non-lubricating products. The DG utilizes Type D rotating seal components; however, the stationary seal seat material is silicon carbide, and is reversible for extended seat life.

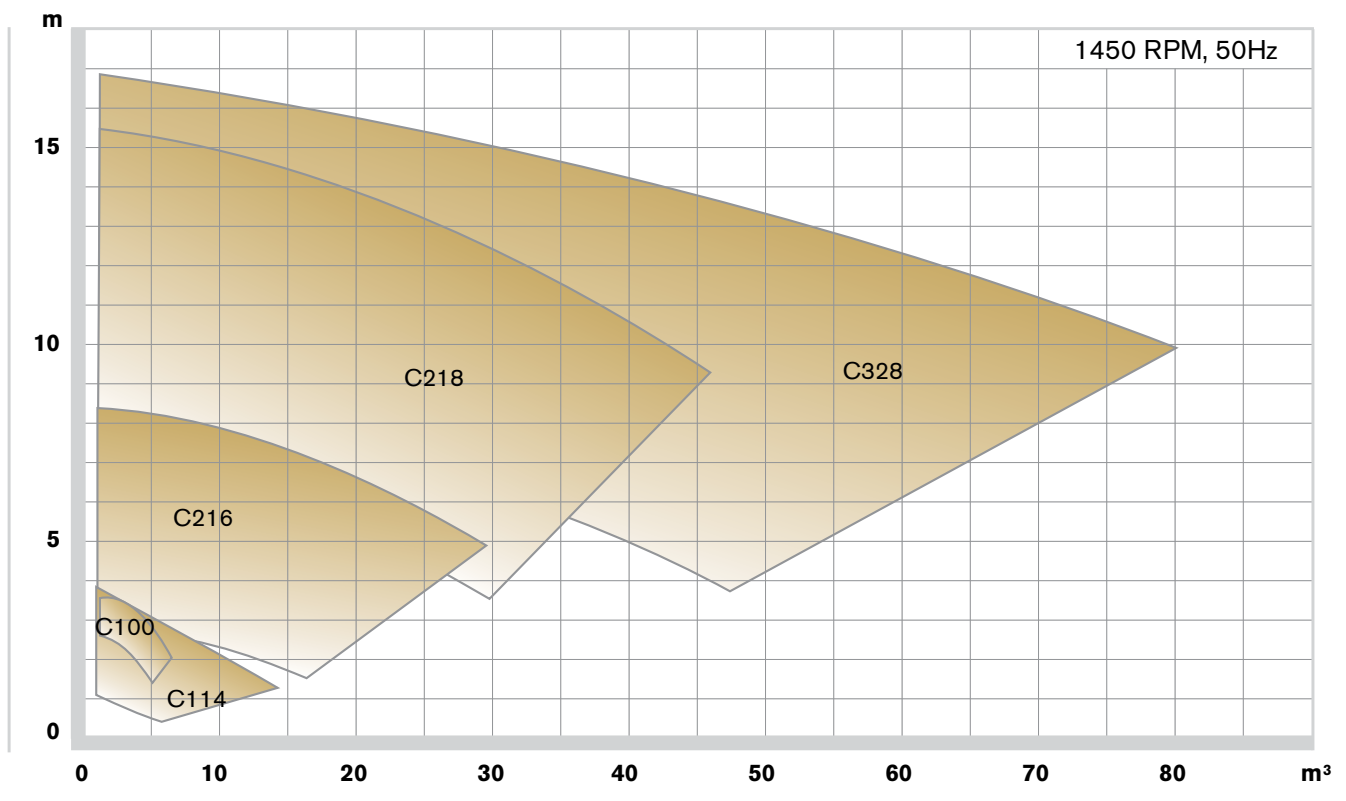
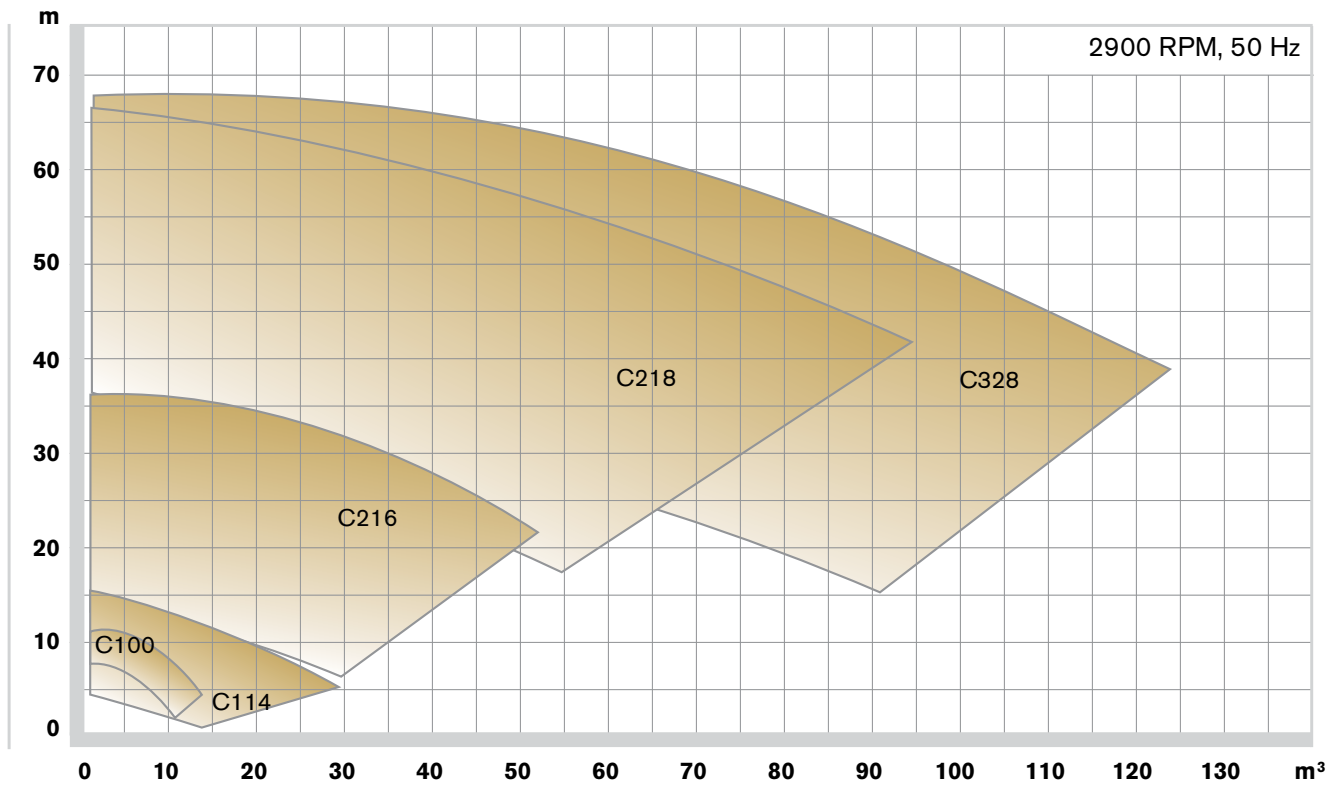


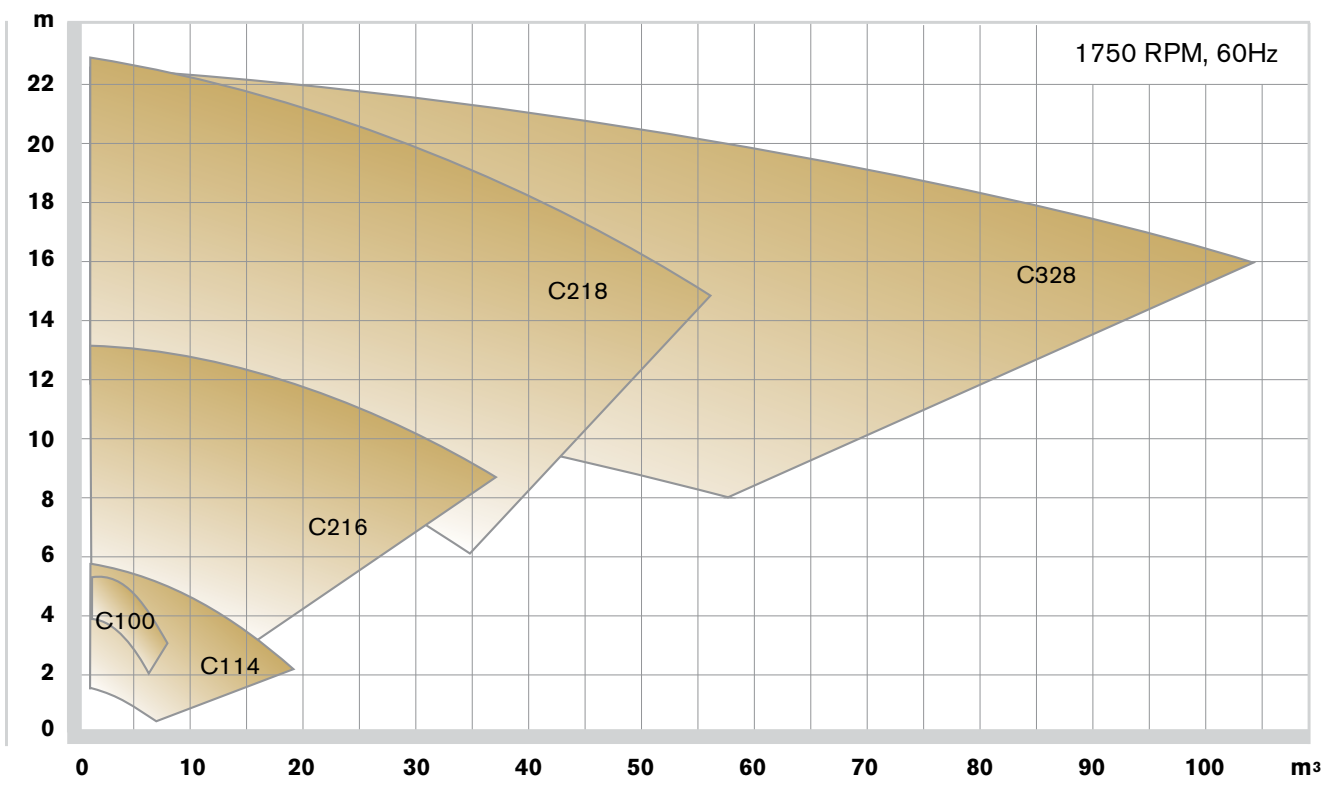
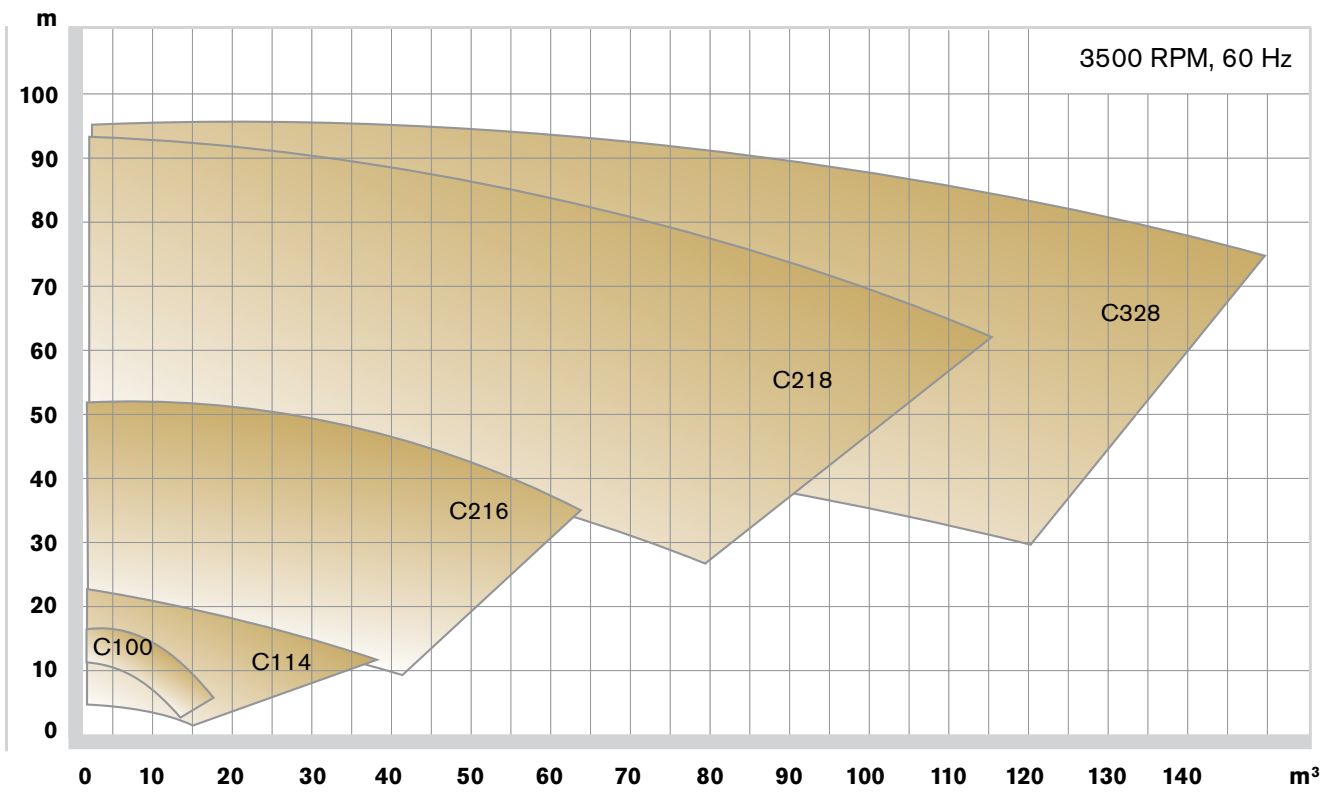
TYPE E

Double Mechanical Seal

This double mechanical seal can be pressurized with a flush media and discharged to drain. Ideal for vacuum, high temperature, abrasive or non-lubricating applications.

Pump Performance Overview





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ABOUT SPX

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader. For more information, please visit www.spx.com.

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