

INDUSTRIAL

ONGA / SOUTHERN CROSS

STAINLESS STEEL MULTISTAGE & CENTRIFUGAL PUMPS



Southern Cross & Onga offer a wide array of dependable and robust product solutions for irrigation applications:

Centrifugal Pumps

The SSS and the CPS series of centrifugal pumps are manufactured from 304 Grade 18/8 stainless steel. They are coupled with a heavy duty industrial motor for continuous duty in difficult conditions. They are ideally suited to light industrial and agricultural applications.

Southern Cross Vertical Multistage Pumps

The Southern Cross SBI range consists of high performance vertical multistage pumps built to meet the needs of many commercial, industrial and rural water supply applications.

Onga Horizontal Multistage Pumps

Stainless steel and cast iron construction pumps designed for reliability and durability.



VERTICAL MULTISTAGE PRESSURE SYSTEMS

SBI SERIES

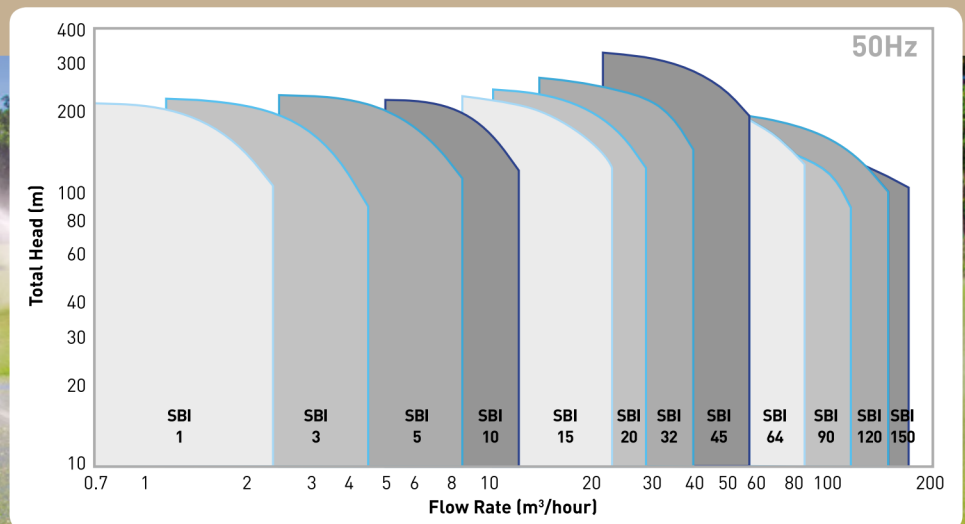


- All wetted parts 304 grade stainless steel (SBI).
- Available with all wetted parts 316 grade stainless steel (SBN).
- High efficiency, low maintenance.
- TEFC electric motors to IP55.
- Low noise operation.
- Vertical design with small footprint.
- Mechanical seal to DIN24960.
- Silicon Carbide, product lubricated bearings.
- High quality stainless steel cartridge type mechanical seal fitted as standard.
- Cast Iron flanges with drilling to DIN (ISO), ANSI Class 300, ISO2129 [TableD/E & Table F/H].

Applications:

- Irrigation.
- Domestic water boosters.
- Sprinkler / Fire fighting.
- Water treatment plants.
- Seawater pumping.
- Chemical / Processing.
- Food processing.

• SBI Series Performance



CFW701 SERIES



The WEG CFW701 Series is intended for speed control of single-phase and three-phase induction motors. Designed for exclusively industrial or professional use, the VSD incorporates the most advanced technology and full features in a compact product, beyond a set of special functions available.

Easy to install and operate, equipped with optimized software that can be easily set through a Keypad, which enables them to process and control pumping systems.

Features:

- Power range: 1.1 to 132 kW.
- Single-phase (up to 2.2kW) and three-phase.
- Power supply voltage: 200-240V, 380-480V and 500-600V.
- Advance P.I.D control.
- Dry-Run protection.
- Overload capacity: ND with 110% current or HD with 150% current in 60 sec.
- RFI Filter built-in.
- DC link Inductor built-in.
- Ambient temperature up to 50 °C.
- All the electronic boards are conformally coated classified as 3C2 according to IEC 60721-3-3 standard.
- Protection Degree IP55.
- Flash memory module: In few seconds, it is possible to download the programming from a CFW701 to others without powering them up.
- Communication protocols: Modbus RTU, BACnet MS/TP and Metasys N2.
- Special features required for HVAC-R system applications.
- WLP and SuperDrive G2 free software.

SSS SERIES



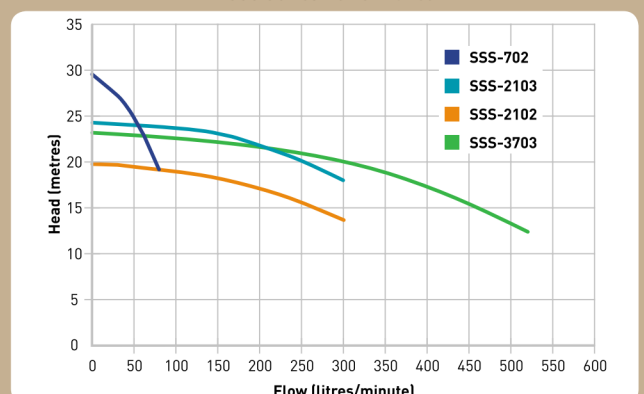
- Designed by Pentair with the highest quality, performance and efficiency standards, the SSS range of stainless steel pressure pumps are suitable for a range of agricultural, commercial and industrial applications.
- The all stainless steel construction makes the SSS ideally suited for most potable water pumping applications providing longevity and corrosion resistance.
- Easy installation and operation.
- Continuously rated.
- In-built thermal protection (only for models SSS-702, SSS-2102).

Applications:

- Agricultural. • Commercial. • Industrial. • Irrigation.
- Water Transfer. • Wash Down.
- Mild Chemical use (Viton seal kits are available for mild chemical use).

Model	Inlet (suction)	Outlet (discharge)	Water Temp Range	IP Rating	Electrical Supply	Current (Amps)	Max Ambient Temp	Motor (kW)
SSS702	1 ¼	1	0°C - 85°C	IPX4	230V 50Hz	4	55°C	0.55
SSS2102	1 ½	1 ¼	0°C - 85°C	IPX4	230V 50Hz	6	55°C	1.1
SSS2103	1 ½	1 ¼	0°C - 85°C	IPX4	230V 50Hz	8	55°C	1.5
SSS3703	2	1 ¼	0°C - 85°C	IPX4	230V 50Hz	12	55°C	2.2

• SSS Series Performance



VARIABLE SPEED PUMPS

CPS 20



- The CPS 20 twin pump unit is an innovative constant pressure system for industrial and residential applications.
- Each pump installed in the system is equipped with a variable speed module directly assembled on the motor.
- The two CPS devices switch the starting order of the pumps at each working cycle maintaining constant pressure in the system.

Applications:

- Pumping of water in domestic systems, booster systems, industry, caravan parks, washing systems and irrigation.

MODEL	Voltage	P1			Q	Head Pressure										
		kW	HP	A		U/min	M/h	40	80	120	160	200	280	360		
MULTINOX 80/48	230	2x0.8	2x1.1	2x6.5	Head Pressure	37	29	20	9							
MAX 120/60	230	2x1.2	2x0.9	2x8.5		53	46	36	25	4						
MULTINOX 200/65	230	2x2.7	2x2.0	2x14		57	56	54	49	46	37	22				

• CPS20 Performance

