



Signature 2000 SERIES BOREHOLE PUMPS

The new Signature 2000 Series of pumps feature the tested and proven SignaSeal™ Staging System technology for long term, trouble-free operation.

Precision-engineered, high-quality, rugged Signature 2000® series pumps deliver efficient, dependable performance in some of Australia's harshest conditions.



DEPENDABLE
PERFORMANCE.
FOR LIFE.

PENTAIR.COM.AU

NEW

Signature 2000 HS SERIES

Redesigned and precision engineered for long term, trouble-free operation.

The new and improved Signature 2000 HS Series by Pentair STA-RITE® offers a durable and reliable solution for all submersible applications in some of Australia's harshest conditions.

STA-RITE's proven SignaSeal™ Staging System incorporated with our unique floating impeller design greatly reduces

problems with abrasives, sand lock-up and dry running. All external components are manufactured using stainless steel, coupled with self-lubricating bearings and impellers. Because of this, the HS Series can move some of the harshest bore water, in extreme environments for longer.

CONSTRUCTION MATERIAL

| | | | |
|--------------------------|--|---------------------------|---------------------------|
| DISCHARGE BEARING | Nylatron® | SHAFT END COUPLING | 300-Grade Stainless Steel |
| DISCHARGE | 300-Grade Stainless Steel | INTAKE | 300-Grade Stainless Steel |
| IMPELLERS | Acetal | CABLE GUARD | 300-Grade Stainless Steel |
| DIFFUSERS | Polycarbonate | CHECK VALVE | Acetal |
| SUCTION CAP | Polycarbonate w/ Stainless Steel insert | SHELL | 300-Grade Stainless Steel |

The HS Series offers four core ranges: 50, 70, 90 and 150 Litres/min varying between 0.55-5.5 kW and 7-30 stages. Designed for heads up to 190m and flow rates up to 220 Litres/min.

| | |
|----------------------------|--------------------------------------|
| Max. Head: | 190m |
| Max. Flow: | 220 LPM |
| Power Rating: | 0.55-5.5 kW |
| Performance series: | 50, 70, 90, 150 LPM series available |
| Number of stages: | 7-30 (model dependent) |
| Diameter: | 98mm |
| Length: | 395-1750mm |
| Weight: | 4-16 Kg |
| Discharge: | 1/4" - 2" BSP |
| Shell: | 300-Grade Stainless Steel |



TECHNICAL SPECIFICATIONS

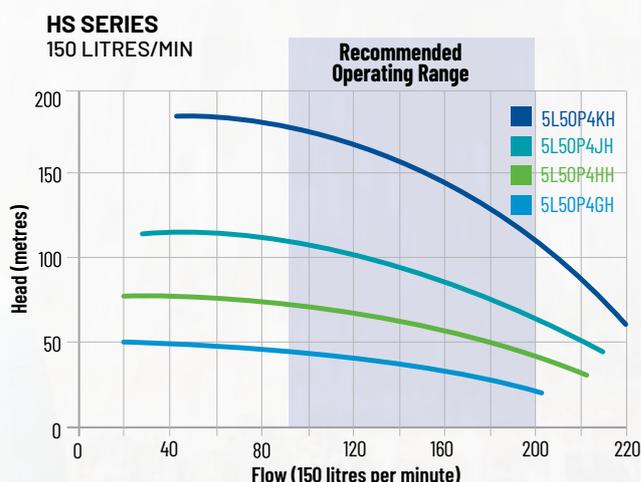
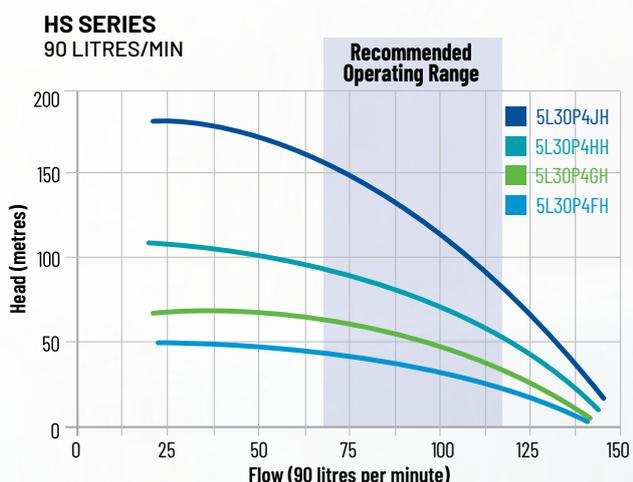
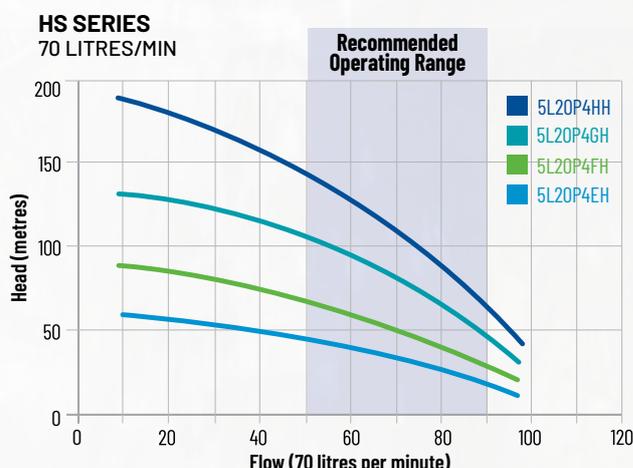
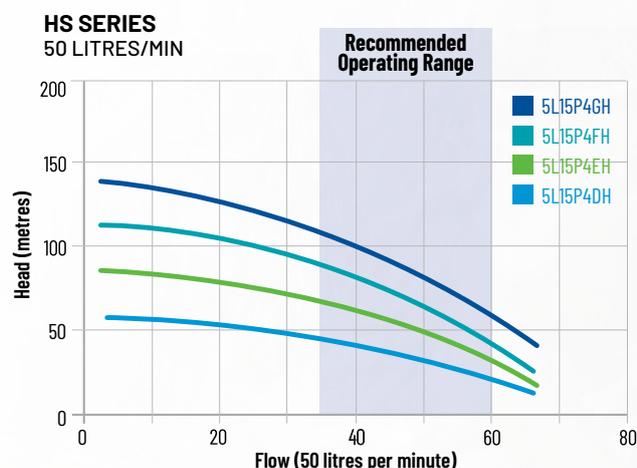
| Part number | Nominal hp | Nominal kW | No. of Stages | Pump End approx length in mm | Pump End approx. diameter (mm) | Pump End approx. weight (kg) | Discharge Outlet |
|--|------------|------------|---------------|------------------------------|--------------------------------|------------------------------|------------------|
| 50 LITRES PER MINUTE NOMINAL CAPACITY | | | | | | | |
| 5L15P4DH-04 | 0.75 | 0.55 | 7 | 395 | 98 | 4 | 1¼" BSP (female) |
| 5L15P4EH-04 | 1 | 0.75 | 11 | 510 | 98 | 4 | 1¼" BSP (female) |
| 5L15P4FH-04 | 1.5 | 1.1 | 15 | 620 | 98 | 5 | 1¼" BSP (female) |
| 5L15P4GH-04 | 2 | 1.5 | 19 | 735 | 98 | 6 | 1¼" BSP (female) |

| | | | | | | | |
|--|-----|------|----|-----|----|---|-----------------|
| 70 LITRES PER MINUTE NOMINAL CAPACITY | | | | | | | |
| 5L20P4EH-04 | 1 | 0.75 | 8 | 420 | 98 | 4 | 2" BSP (female) |
| 5L20P4FH-04 | 1.5 | 1.1 | 12 | 535 | 98 | 5 | 2" BSP (female) |
| 5L20P4GH-04 | 2 | 1.5 | 16 | 650 | 98 | 5 | 2" BSP (female) |
| 5L20P4HH-04 | 3 | 2.2 | 24 | 885 | 98 | 6 | 2" BSP (female) |

| | | | | | | | |
|--|-----|-----|----|------|----|---|-----------------|
| 90 LITRES PER MINUTE NOMINAL CAPACITY | | | | | | | |
| 5L30P4FH-04 | 1.5 | 1.1 | 8 | 485 | 98 | 5 | 2" BSP (female) |
| 5L30P4GH-04 | 2 | 1.5 | 11 | 595 | 98 | 5 | 2" BSP (female) |
| 5L30P4HH-04 | 3 | 2.2 | 17 | 815 | 98 | 6 | 2" BSP (female) |
| 5L30P4JH-04 | 5 | 3.7 | 28 | 1220 | 98 | 9 | 2" BSP (female) |

| | | | | | | | |
|---|---|-----|----|------|----|----|-----------------|
| 150 LITRES PER MINUTE NOMINAL CAPACITY | | | | | | | |
| 5L50P4GH-04 | 2 | 1.5 | 8 | 595 | 98 | 6 | 2" BSP (female) |
| 5L50P4HH-04 | 3 | 2.2 | 12 | 800 | 98 | 8 | 2" BSP (female) |
| 5L50P4JH-04 | 5 | 3.7 | 20 | 945 | 98 | 11 | 2" BSP (female) |
| 5L50P4KH-04 | 7 | 5.5 | 30 | 1750 | 98 | 16 | 2" BSP (female) |

PERFORMANCE

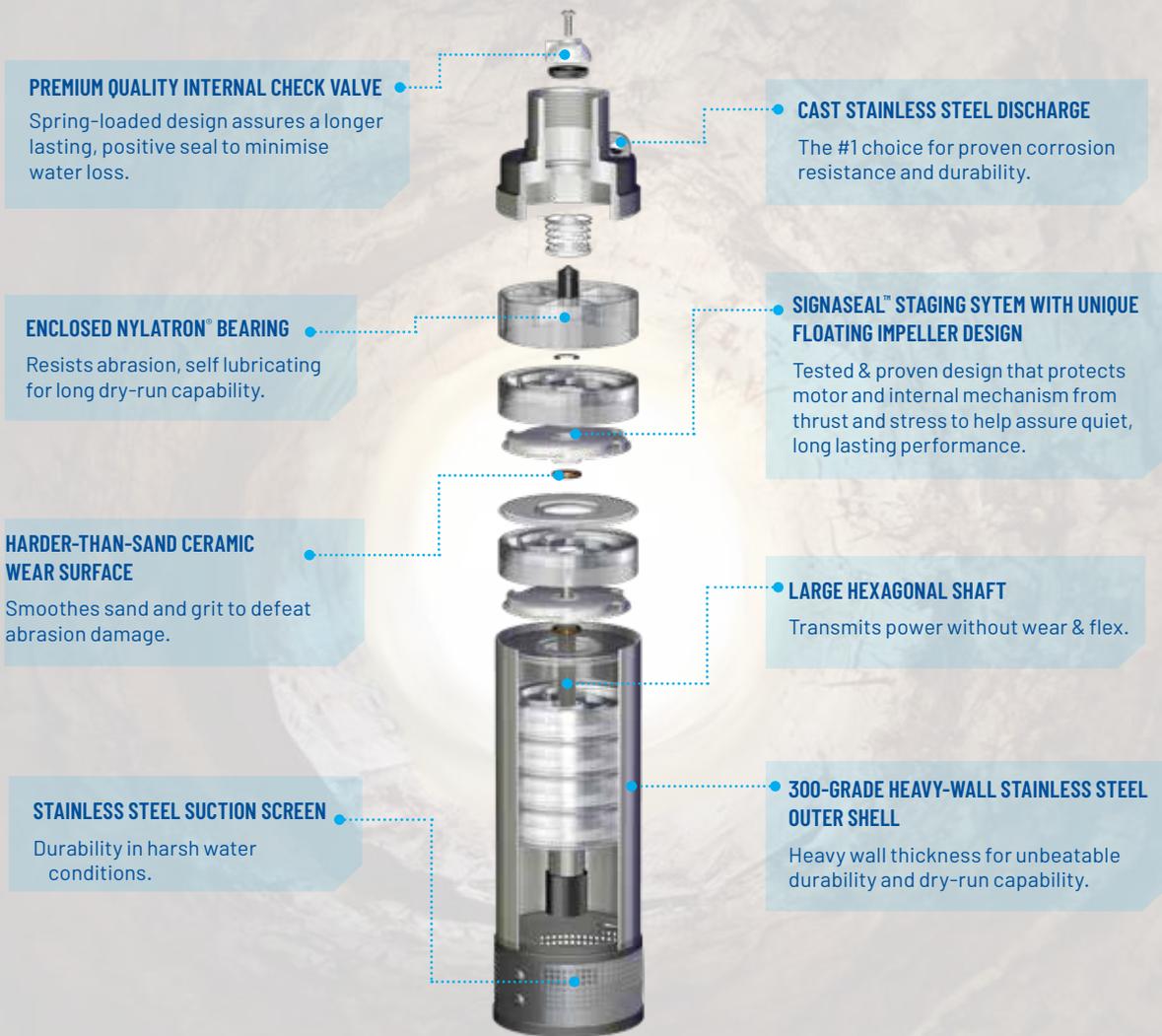


NEW

HS SERIES

SERVICEABLE BOREHOLE PUMPS

DEPENDABLE
PERFORMANCE.
FOR LIFE.



APPLICATIONS



Residential



Industrial



Commercial



Multiple Housing



Irrigation



Agriculture



Horticultural

Signature 2000 JP SERIES

Specifically manufactured as a low flow, economical, replacement pump solution.

The Signature 2000 JP Series is made of a 300-grade stainless steel casing. Coupled with its self-lubricating bearings and rugged impellers, this makes for the ideal low flow, economical, replacement pump solution.

Its proven **SignaSeal™ Staging System** incorporated with its unique floating impeller design greatly reduces problems with abrasives, sand lock-up and dry running.

CONSTRUCTION MATERIAL

| | | | |
|--------------------------|-------------------------------------|-----------------------------|--|
| PUMP CASING | 300-Grade Stainless Steel | SUCTION CAPS | Polycarbonate w/ Stainless Steel inserts |
| IMPELLERS | Acetal | CABLE GUARD | Polypropylene |
| DIFFUSERS | Polycarbonate | SHAFT & COUPLING | 300-Grade Stainless Steel |
| DISCHARGE | Fibreglass reinforced thermoplastic | INTAKE SCREEN | Polypropylene |
| DISCHARGE BEARING | Nylatron® | SHELL | 300-Grade Stainless Steel |

The **JP Series** offers two core ranges: 20 and 30 Litres/min varying between 0.37-1.1 kW and 11-20 stages. Designed for heads up to 150m and flow rates up to 60 Litres/min.

| | |
|----------------------------|------------------------------|
| Max. Head: | 150m |
| Max. Flow: | 60 LPM |
| Power Rating: | 0.37-1.1 kW |
| Performance Series: | 20 & 30 LPM series available |
| Number of Stages: | 11-20 (model dependent) |
| Diameter: | 95-98mm |
| Length: | 410-690mm |
| Weight: | 5-10 Kg |
| Discharge: | 1 ¼" BSP |
| Shell: | 300-Grade Stainless steel |



JP SERIES

ECONOMICAL REPLACEMENT PUMPS

DEPENDABLE
PERFORMANCE.
FOR LIFE.

REDESIGNED, HEAVY DUTY DISCHARGE

Made using fibreglass reinforced thermoplastic. Lightweight and robust corrosion-free material.

HARDER-THAN-SAND CERAMIC WEAR SURFACE

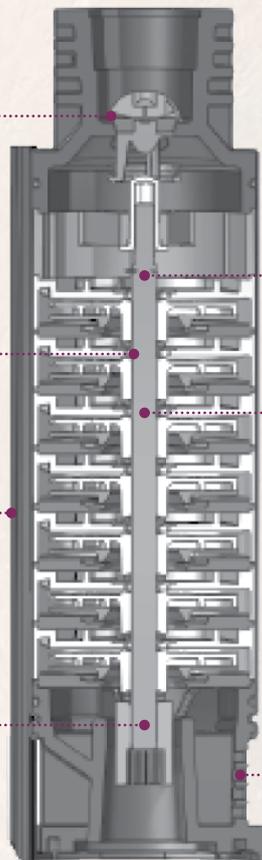
Ensures durability in some of the harshest conditions and a long life.

FULL STAINLESS STEEL OUTER SHELL

Maintenance-free construction.

LARGE HEXAGONAL SHAFT

Transmits power without wear and flex.



ENCLOSED NYLATRON® BEARING

Resists abrasion, self-lubricating for long dry-run capability.

PROVEN SIGNASEAL™ STAGING SYSTEM W/ UNIQUE FLOATING IMPELLER DESIGN

Protects motor and internal mechanism from thrust and stress to help assure quiet, long lasting performance.

SECURELY INTEGRATED SUCTION

Maintenance-free design.

APPLICATIONS



Residential



Industrial



Commercial



Multiple Housing



Irrigation



Agriculture



Horticultural

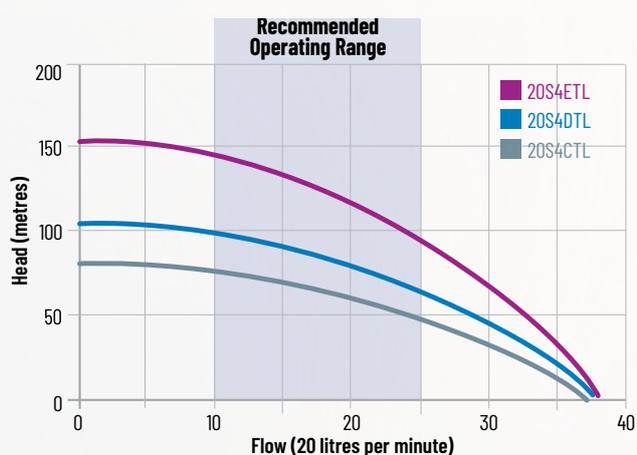
TECHNICAL SPECIFICATIONS

| PART NUMBER | Nominal hp | Nominal kW | No. of Stages | Pump end approx length in mm | Pump end approx. diameter (mm) | Pump end approx. weight (kg) | Discharge outlet |
|--|------------|------------|---------------|------------------------------|--------------------------------|------------------------------|-------------------|
| 20 LITRES PER MINUTE NOMINAL CAPACITY | | | | | | | |
| 20S4CTL-04 | 0.5 | 0.37 | 11 | 410 | 95 | 5 | 1 ¼" BSP (female) |
| 20S4DTL-04 | 0.75 | 0.55 | 15 | 510 | 95 | 6 | 1 ¼" BSP (female) |
| 20S4ETL-04 | 1 | 0.75 | 22 | 660 | 95 | 8 | 1 ¼" BSP (female) |

| 30 LITRES PER MINUTE NOMINAL CAPACITY | | | | | | | |
|--|------|------|----|-----|----|---|-------------------|
| 30S4DT-05 | 0.75 | 0.55 | 12 | 430 | 98 | 5 | 1 ¼" BSP (female) |
| 30S4ET-05 | 1 | 0.75 | 16 | 530 | 98 | 6 | 1 ¼" BSP (female) |
| 30S4FT-05 | 1.5 | 1.1 | 20 | 690 | 98 | 8 | 1 ¼" BSP (female) |

PERFORMANCE

JP SERIES
20 LITRES/MIN



JP SERIES
30 LITRES/MIN

