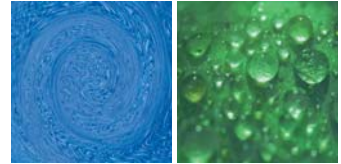


Instream – Close Coupled Pumps

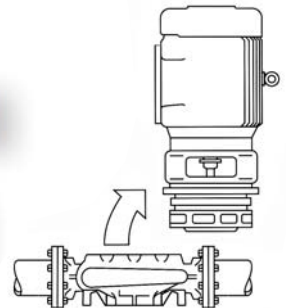


The Instream is designed to provide a high level of component interchangeability with the Unistream and Eurostream ranges; providing extra benefits including simplification of design, savings in time and cost to standardisation of pipework layout, and a reduction in spares requirements.

Other mainline features include **impellers cut to duty** thus saving energy consumption without extending the standard delivery. Instream **hydraulic components** are interchangeable with the close coupled Eurostream and Unistream range, therefore, saving stock holding of spare parts within factories or buildings. Special pumps are available conforming to **ATEX standard**.

Typical Applications:

- Circulating duties
- Water boosting
- Greenhouse irrigation
- Heating and air conditioning
- Fuel transfer
- Process cooling



Specifications

Pumps Models:	12
Discharge Range Sizes:	40mm to 100mm
Pump/Motor Combinations:	84
Temperature:	120°C maximum -10°C minimum
Maximum Capacity:	60l/s
Maximum Differential Head:	65m
Electricity Supply:	50 and 60 Hz
Sealing Options:	Mechanical

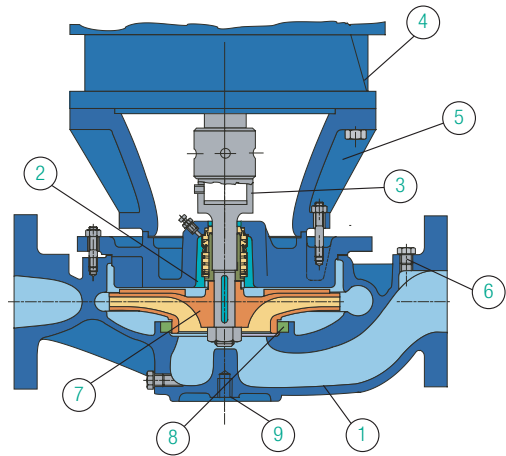
Interchangeability

Casing	12
Impellers	12
Casing Cover	3
Shaft Sleeve	1
Mechanical Seal	1
Stub Shaft	6
Motor Frame Sizes	8

Materials of Construction

	Standard – All Iron	Bronze Fitted
Codes	W	Y
Casing	Cast iron	Cast iron
Impeller	Cast iron	Bronze
Wear Ring	Cast iron	Cast iron
Stub Shaft	High tensile steel	High tensile steel
Shaft Sleeve	Stainless steel	Stainless steel

Stainless steel pump hydraulics available on request.



Design Features

Back-pull-out facility permitting removal of motor, support frame and impeller without disturbance of casing or suction and delivery pipework.

- 1 Cast iron casing
- 2 Stainless steel shaft sleeve
- 3 Six stub shafts cover entire range
- 4 Standard motor facilitates easy replacement
- 5 Ten support frames cover all pump and motor combinations
- 6 Mechanical seal to VDMA dimensions, incorporating ceramic seat for high temperature applications and long life
- 7 Double shrouded design of impeller with back balancing vanes
- 8 Replaceable wear ring fitted to all casings
- 9 Base mounting facility

Design Benefits

The Instream is designed to provide a high level of component interchangeability with the Unistream and Eurostream ranges; providing extra benefits including:

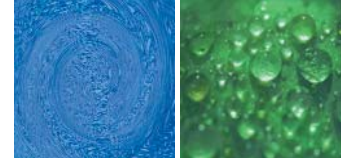
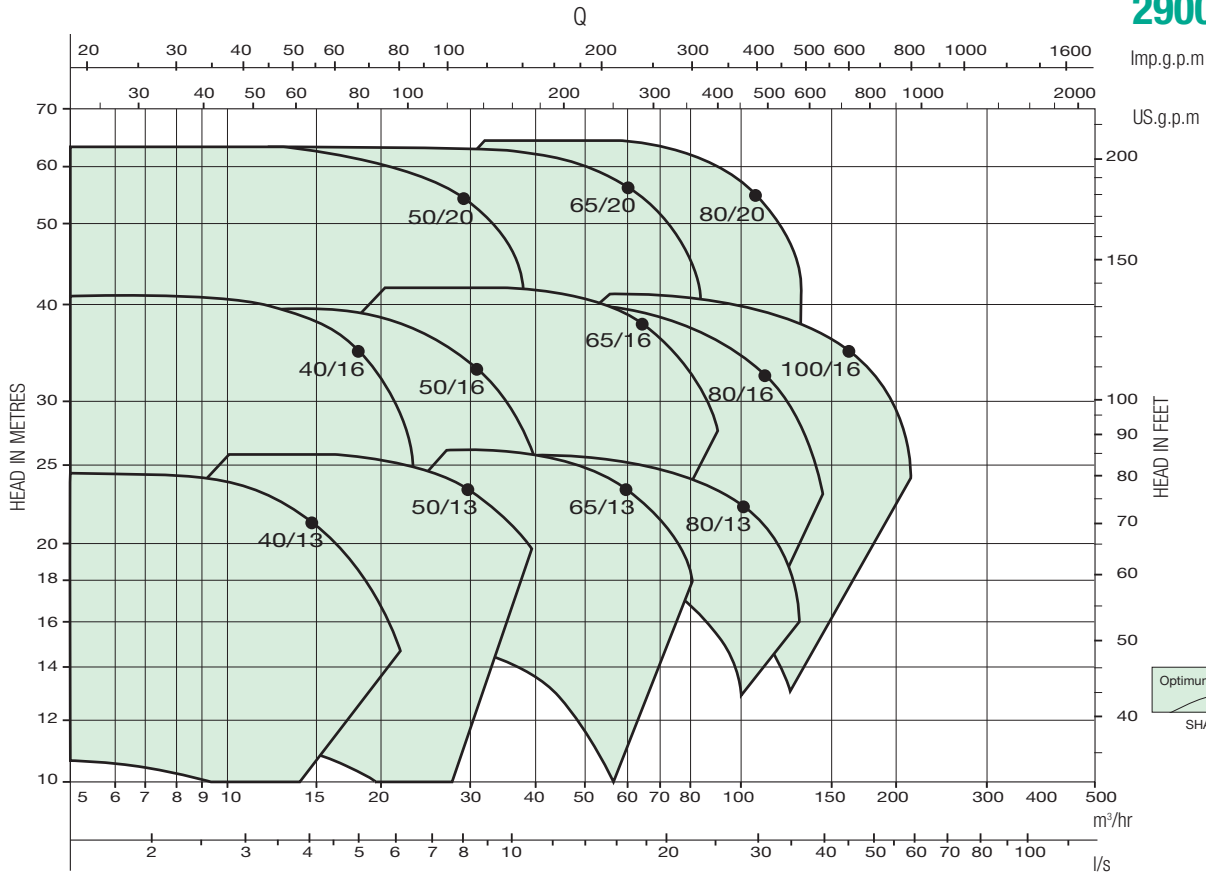
- Simplification of design and tender procedures
- Savings in time and cost due to standardisation of pipework layouts
- Reduction in spares requirements

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Instream - Close Coupled Pumps

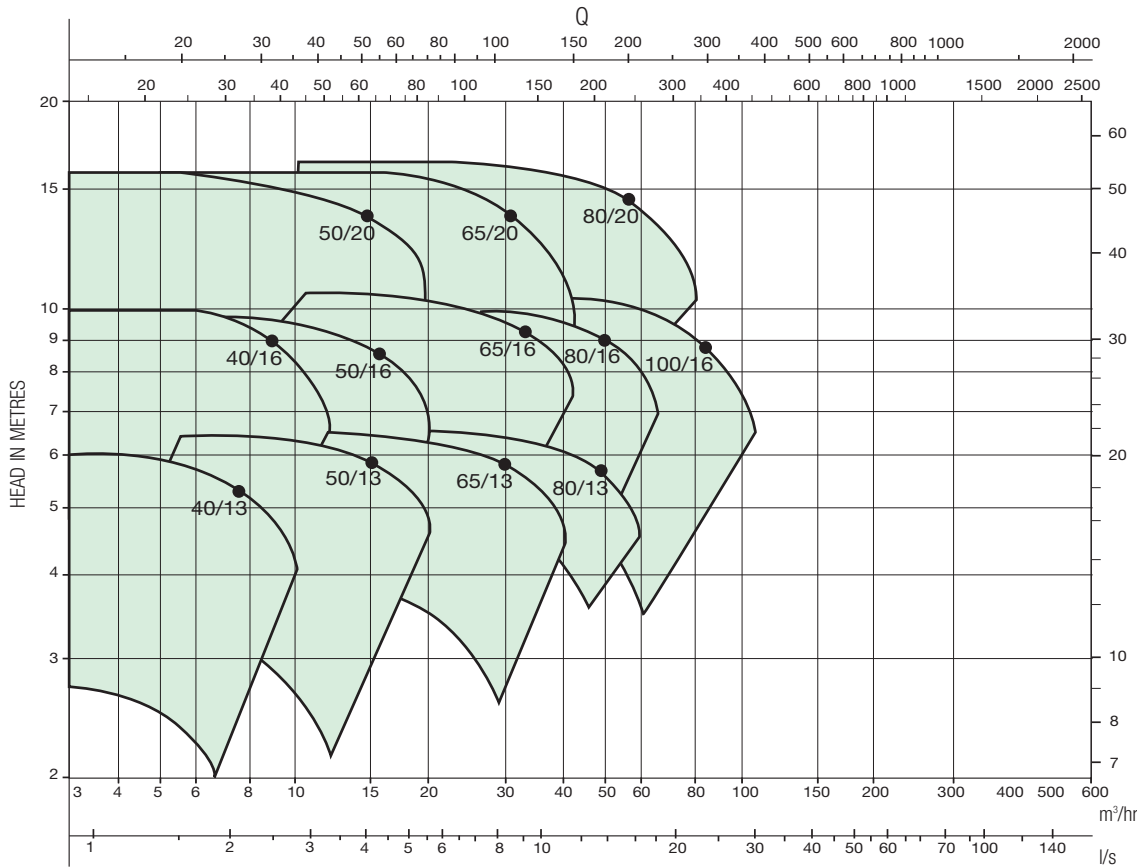
2900 R.P.M.



- Back pull-out facility for ease of maintenance
- Various material options available
- Impellers cut to duty point
- Vast interchangeability of hydraulic components
- ATEX pumpsets can be supplied
- Hydraulics used in conjunction with standard shaft extended motors

SPP PUMPS

Instream - Close Coupled Pumps



1450 R.P.M.

Imp.g.p.m

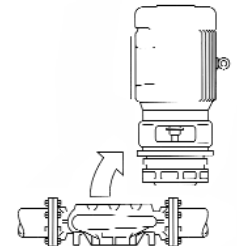
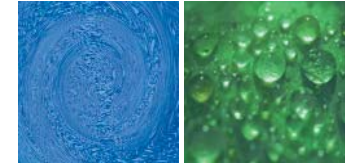
US.g.p.m

HEAD IN FEET

Optimum point
SHAFT MODULE 25



Assessed to ISO 9001:2000
Certificate No. 111



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SPP045-MAY05

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