

ISO 5199 PROCESS PUMP SKID PACKAGES

Amarinth Industrial process pump skid packages for the Chemical and Pharmaceutical markets, are designed to minimise space, optimise performance, and provide fully automated process control of up to five ISO 5199 pumps. They can be easily modified for Petrochemical applications and are fully ATEX compliant. All ISO pump materials are available as standard, plus bespoke options including NACE compliant materials. Standard documentation, testing and NDT packs are offered to fit your exact requirements.

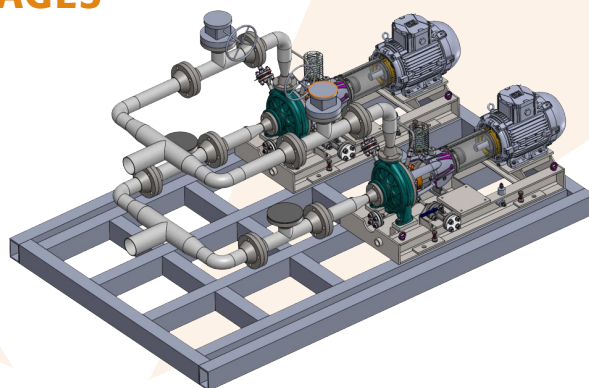


General description	Individually designed industrial process pump skid packages incorporating up to five ISO 5199 process pumps in a variety of alloys complete with integrated pipework and automated process control where required
Construction	Weld fabricated frame and pipework with integrated ISO 5199 pumps to suit
Design methodology	Advanced computer techniques, 3D modelling, CFD & FEA
Design standards	ASME 31.3, ASME VIII, PED ASME IX, AWS D1.1, BS EN ISO5199, ATEX EC-Directive 2014/34/EU
Design pressure rating	20 barg @ 20°C
Suction pressure rating	6 barg
Temperature rating	-40°C to 250°C
Performance envelope	
Flow Rate	Up to 1500 m ³ /h per pump
Operating Pressure	Up to 300 m
Operating Volume	Up to 3600 rpm
Maximum pumps	5
Configuration	Open, semi-open and fully-enclosed skid frame designs
Frame Sizes	Up to 8m x 6m x 4m (l x w x h)
Design life	20 years (2 years uninterrupted operation)

ISO 5199 PROCESS PUMP SKID PACKAGES

key features

- Optimised layouts
- Pump piping loads
- Integrated junction boxes and controls
- Smart tagging
- Calculations including structural
- Seismic shock, loading and blast



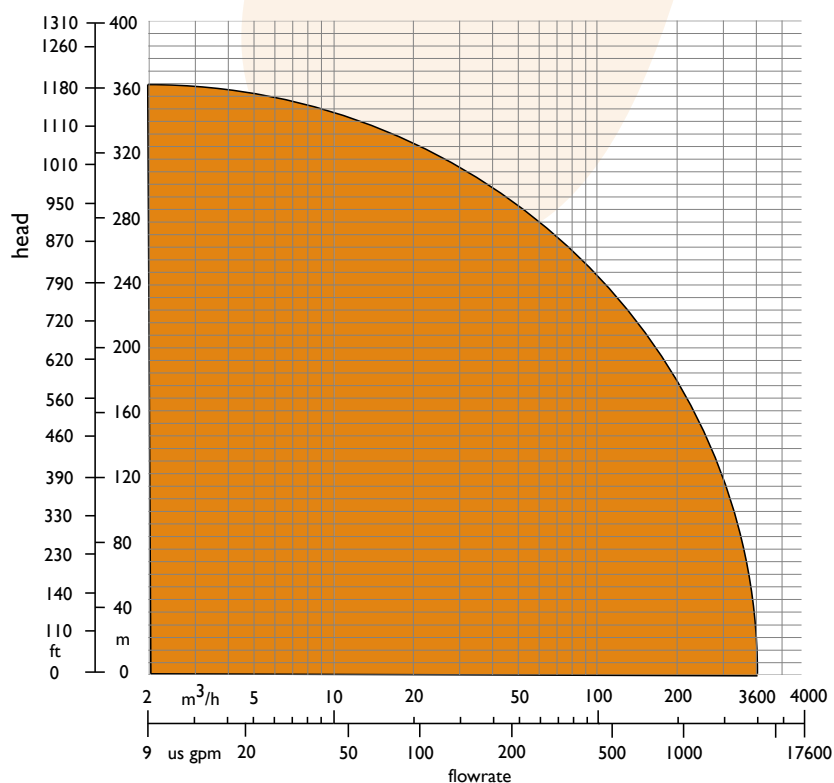
options

Driver	Instrumentation	Integrated Control	Noise Control
Electric motor inc. VSD options	Pressure gauge	Flow	Acoustic hood
Diesel engine	Pressure transmitter	Pressure	Insulation
Gas engine	Pressure differential gauge	Temperature	Baffles
Steam turbine	Pressure differential transmitter	Duty	Enclosed
		Standby	
		Shutdown	

materials

Skid-frame	Pipework	Casing	Impeller
Carbon steel	Carbon steel	Cast iron	Cast iron
Galvanised steel	Galvanised steel	Carbon steel	Carbon steel
Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Duplex stainless steel	Duplex stainless steel	Duplex stainless steel

skid package hydraulic coverage



typical applications

- Water treatment
- Water filtration
- Fuel skids



Amarinth

Bentwaters Parks, Rendlesham, Woodbridge,
Suffolk IP12 2TW. United Kingdom
tel: +44 (0)1394 462 120
fax: +44 (0)1394 462 130
e-mail: enquiries@amarinth.com
web: www.amarinth.com