



# UNLOCK RELIABLE FIREFIGHTING PUMPING SOLUTIONS WITH AS 2941 COMPLIANCE – GS Model

Main criteria for compliance with AS 2941:2013  
when selecting GS bare-shaft pumps

- ✓ **Pump performance curve**
  - Pump must be capable of 130 % of duty flow @ not less than 80 % of duty head.  
e.g. If duty is 10 L/sec @ 50m head.  
– Pump must also be able to do 13L/sec @ 40m.
  - Pump shall not exceed 140% of its duty head at shut-off point.  
e.g. If duty head is 50m – shut head cannot exceed 70m.

- ✓ **Pressure resistance**
  - Cast iron end suction pumps must be minimum 16bar for allowable working pressure.
  - End suction pumps must comply with ISO5199 (Hydrostatic test to 24bar) or otherwise expressed as (1.5 times the maximum permissible casing pressure).

- ✓ **System design consideration**
  - The net pump shut-off plus maximum static suction pressure must not exceed the pressure rating of system components.

- ✓ **Bearing life**
  - Shaft bearings must have a minimum calculated life rating at shut-valve of not less than 5000 h (L10 bearing).

- ✓ **Painting specification**
  - The pump, driver, controller & baseplate (unless galvanised) must be painted R13 (Signal Red).



## Specifications

Items		Data
Operating range	Flow rate	up to 1300m <sup>3</sup> /h
	Total head	up to 150m
	Max. working pressure	16 bar
	Liquid temperature	-10 to 120°C
Outlet size		32 to 200mm
Pump material	Casing	Cast iron (FC250)
	Impeller	Bronze (CAC 406)
	Casing wearing	Bronze (CAC 406)
	Shaft	431 Stainless steel
	Mechanical seal	Carbon/SiC/EPDM



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Stamped stainless steel  
end suction pumps



Established as a Japanese pump manufacturer in 1912, EBARA CORPORATION has leveraged its roots in Japan to expand its business into diverse fields, including fans and blowers, chillers, environmental plants, and the precision machinery industry.



EBARA extends its production operations globally, including Italy. In Italy, EBARA boasts a state-of-the-art facility dedicated to the mass production of stamped stainless steel pumps. This facility utilizes cutting-edge manufacturing technologies, such as a patented stamping process, to ensure the consistent production of high-quality products.



EBARA's presence extends to Australia, where EBARA PUMPS have been trusted and utilized for over 30 years, earning acclaim for their quality and reliability. In 2000, EBARA PUMPS AUSTRALIA PTY.Ltd. was founded to enhance market serviceability, offering an expanding array of top-tier products. Our extensive product line is bolstered by a robust network of dealers nationwide, ensuring comprehensive sales and service support throughout Australia.

