

Fields of Application

Handling of various petroleum products. Mainly in refineries as well as in petrochemical and chemical industries.

Design

Horizontal, radially split volute casing pump in process type construction according to API 610, and/or VDMA 24 297, class A (heavy duty). Pump with radial flow impeller, single flow, two-stage design, back to back impeller arrangement and center-line mounted.

Designation



Operating Data

Pump sizes	DI	N 50 to 150
Capacities	Q	up to 450 m ³ /h
Heads	Н	up to 400 m
Operating pressure	р	up to 80 bar
		(ANSI B 16.5 class 900) with GS-C25
		up to 100 bar
		(ANSI B 16.5 class 1500) with 1.7363
Operating		
temperatures	t	-70 up to +450 °C



Selection Chart

кѕв 6.





Pressure and Temperature Limits RPHb



Materials RPHb

Designation	Material class to API 610: S1, GS-C 25 N	Material class to API 610: D6, 1.7363
Volute casing Diffuser Casing cover Shaft Impeller	GS-C 25 N GS-C 25 N GS-C 25 N X20Cr 13 VS GGG-40	GS-12CrMo 19 5 V GS-12CrMo 19 5 V GS-12CrMo 19 5 V X20Cr 13 VS G-X5CrNi 13 4 V
Gland cover ¹⁾ Neck bush Lantern ring Seal cover Impeller wear ring	GGG-40/GS-C25N GS-C 25 N GG-25 GG-25 1.4408/1.4571 GG-25	GGG-40/GS-C25N G-X5CrNi 13 4 V X20Cr 13 V X10CrNiMoTi 18 10 X20Cr 13 V VG 434 hardened
Casing wear ring Thrower Shaft protecting sleeve Packing Shaft protecting sleeve Mechanical seal Throttling bush Throttling bush	GGG-40 CuZn 35 Ni X35CrMo 17 hardened X10CrNiMoTi 18 10 GG-25 CuZn 35 Ni	G-X20Cr 14 V hardened CuZn 35 Ni X35CrMo 17 hardened X10CrNiMoTi 18 10 X20Cr 13 V CuZn 35 Ni
Designation	Material class to API 610: A8 1.4408	Material class API 610: C6 1.4008
Volute casing Diffuser Casing cover Shaft Impeller Bearing bracket Gland cover ¹⁾ Neck bush Lantern ring Seal cover Impeller wear ring Casing wear ring Thrower Shaft protecting sleeve Packing Shaft protecting sleeve Mechanical seal Throttling bush	G-X6CrNiMo 1810 G-X6CrNiMo 1810 G-X6CrNiMo 1810 1.4462 G-X6CrNiMo 1810 GGG-40/GS-C25N G-X6CrNiMo 1810 X10CrNiMoTi 1810 X10CrNiMoTi 1810 G-X6CrNiMo 1810 Colm. 6 G-X6CrNiMo 1810 Colm. 6 G-X10CrNiMo 1810 Colm. 6 G-X10CrNiMo 1810 Colm. 6 G-X10CrNiMo 1810 G-X10CrNiMo 1810 PTFE-Carbon	G-X12Cr 14 V G-X12Cr 14 V G-X12Cr 14 V X20Cr 13 V G-X12Cr 14 V GGG-40/GS-C25N G-X5CrNi 13 4 V X20Cr 13 V X10CrNiMo 1810 X20Cr 13 V VG 434 hardened G-X20Cr 14 V hardened CuZn35Ni X35CrMo 17 hardened X10CrNiMo 1810 X20Cr 13 V CuZn35Ni

1) Gland cover with bush made of bronze G-CuSn10/CuAlNi



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