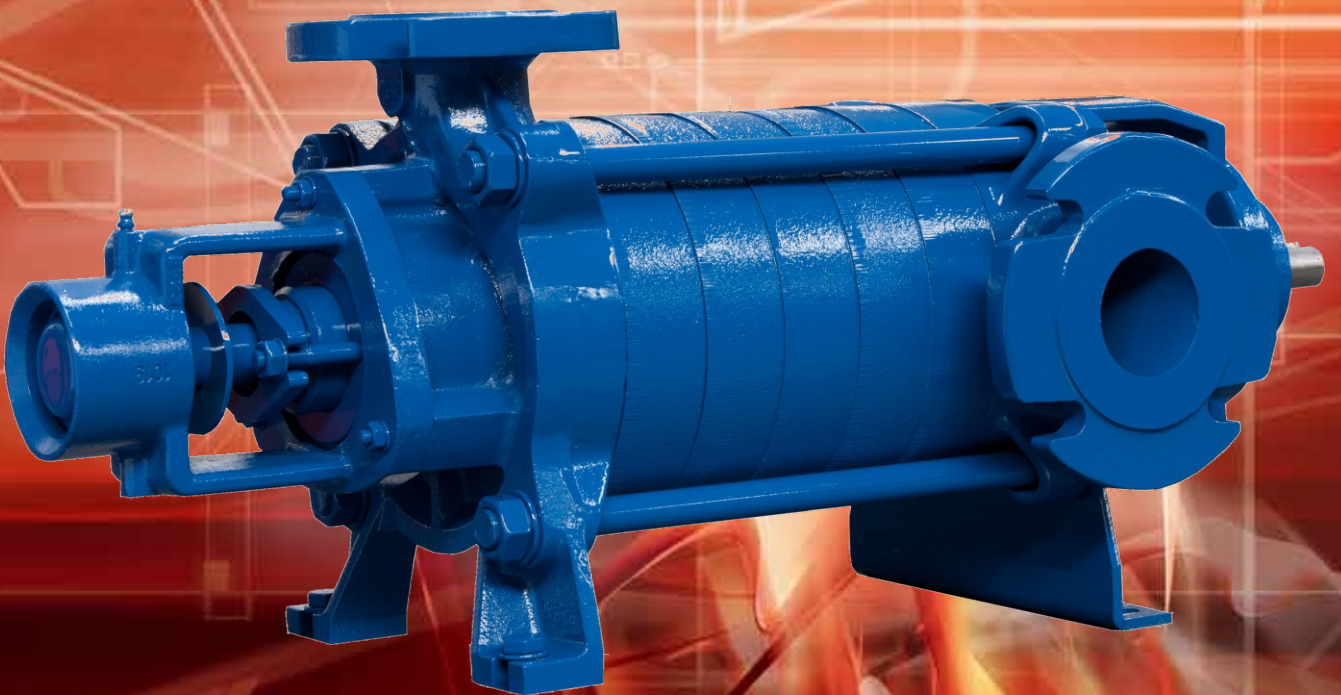
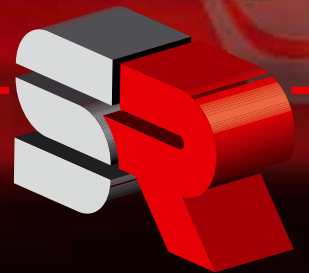


TS



CENTRIFUGA MULTISTADIO
MULTISTAGE CENTRIFUGAL

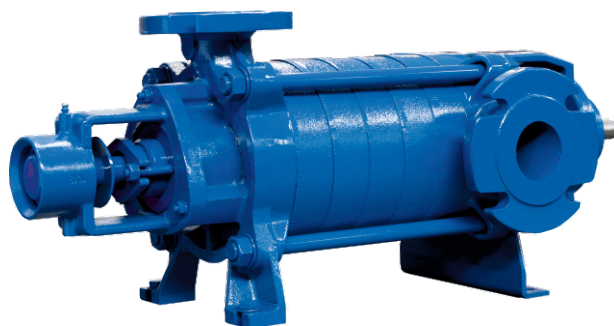


**SALVATORE
ROBUSCHI**
POMPE PARMA

TS

TS

IMPIEGHI: Adatte al pompaggio di liquidi limpidi o leggermente impuri si prestano ad applicazioni in alimentazione di caldaie, gruppi antincendio, autoclavi, pompaggio idrocarburi, impianti di lavaggio a medie pressioni e ovunque siano necessarie pressioni elevate.



USE: TS pumps are suitable for clean or slightly dirty liquids and are used for boilers feeding, fire fighting plants, autoclaves, water supply systems, washing plants, irrigation, to pump hydrocarbons and whenever high pressures are required.

TENUTE:

Le serie TS 31 - 32 sono disponibili solo con tenuta meccanica. Le serie 40 - 50 sono disponibili con tenuta meccanica o a baderna. Le camere di raffreddamento sono fornite di serie.

MATERIALI STANDARD: Corpi e diffusori in ghisa grigia EN 1561- GJL 25, Albero in AISI 420, Guarnizioni in EPDM, Tenute meccaniche in ceramica, silicio, o tungsteno a seconda delle pressioni. Baderne in GFO (PTFE + grafite), Bronzine in bronzo speciale a basso coefficiente di attrito.

MATERIALI SPECIALI: Alberi in AISI 316, Bronzine in Rulon J, Tenute e guarnizioni in materiali diversi a seconda del prodotto pompato.

LIMITI DI IMPEGNO: Con materiali e tenute standard la temperatura massima di esercizio continuo è di 105°C. Con tenute diverse è possibile lavorare fino a 140°C di esercizio con punte fino a 150°C. Pressione massima in aspirazione 16 BAR. Pressione massima in mandata 40 BAR (variabile con la temperatura di lavoro)

SEALS:

TS 31- 32 range is only available with mechanical seal. TS 40 - 50 range is available both with mechanical seal or gland packing. Cooling chambers are supplied as standard equipment.

STANDARD MATERIALS: Casing and diffusers in cast iron EN 1561- GJL 25, Shaft in AISI 420, Gasket in EPDM, mechanical seals in ceramic, silicon carbide, or tungsten carbide according to the pumping pressure. GFO gland packing (PTFE + carbon), low friction bearing bushes in bronze.

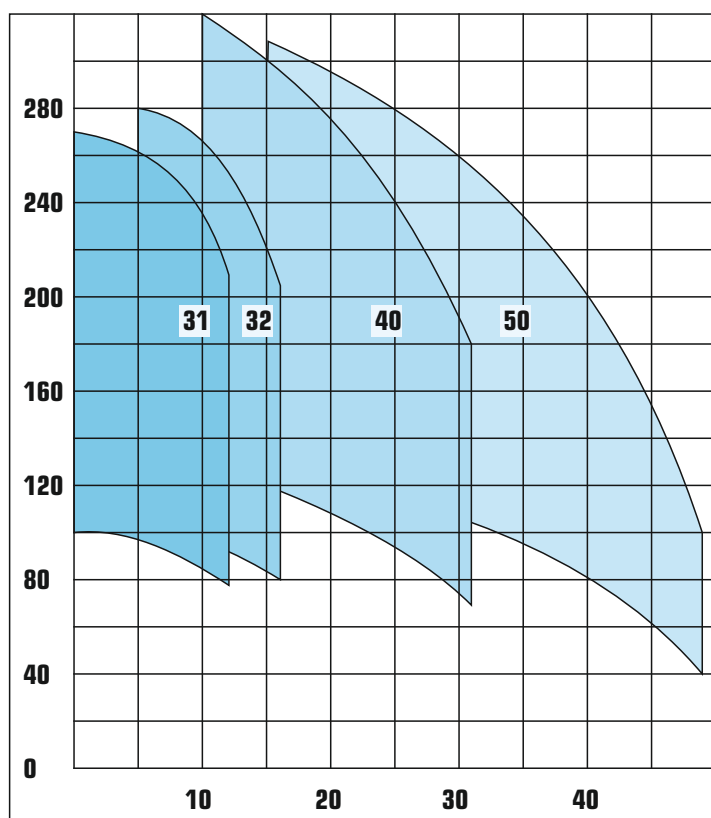
SPECIAL MATERIALS: Shaft in AISI 316, Bearing bush in Rulon J, Seals and gaskets in different materials according to the pumped liquids.

WORKING LIMITS: Max working temperature 105°C with standard materials. On demand, are available special seals and gaskets suitable for 140°C in continuous duty and max 150°C not continuous. Maximum suction pressure 16 BAR. Maximum discharge pressure 40 BAR (according to the working temperature)

ORIENTAMENTO BOCCA ASPIRAZIONE:

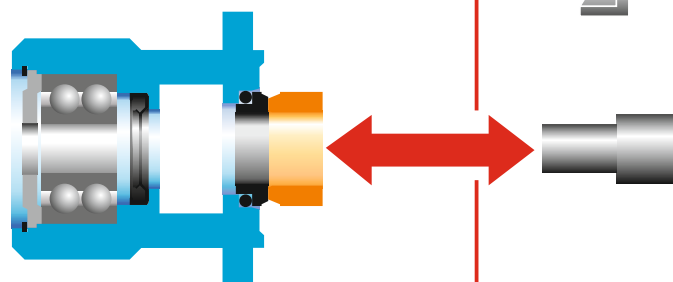


SUCTION PORT POSITION:



MANUTENZIONE FACILE:

I cuscinetti e le tenute della pompa possono essere sostituiti senza smontare il gruppo centrale composto da albero, giranti, diffusori e corpi.



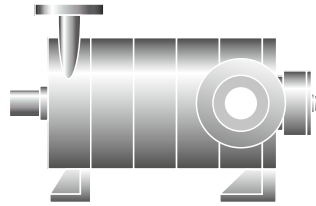
EASY MAINTENANCE:

Ball bearings and mechanical seals can be replaced without disassembling the main group (shaft, impellers, diffusers and pump casings).

TSB 31-32

BRONZINA - SU BASE

Versione a tenuta meccanica. Supportazione con cuscinetto a sfere e bronzina. Esecuzione con piedi di sostegno per accoppiamento a motori elettrici forma B3, motori a scoppio ecc... Orientamento bocche standard: mandata in alto, aspirazione a sinistra. Diverso a richiesta. Temperatura materiali standard. 105°C. A richiesta versione per 140°C in continuo.



BEARING BUSH - BASE PLATE

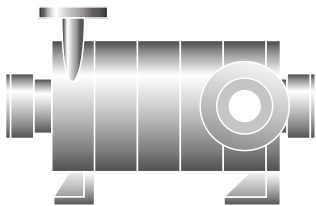
TSB 31-32

Mechanical seal execution. Bearing system with bearing bush and ball bearing. Execution with feet suitable for B3 electric motor, internal combustion engine etc... Standard ports position: discharge on the top, suction on the left side. Different positions on request. Max working temperature 105°C with standard materials. On demand, execution suitable for 140°C continuous duty.

TSKB 31-32

DOPPIO SUPPORTO - SU BASE

Versione a tenuta meccanica. Supportazione con cuscinetto a sfere lato aspirazione e mandata. Esecuzione con piedi di sostegno per accoppiamento a motori elettrici forma B3, motori a scoppio ecc... Orientamento bocche standard: mandata in alto, aspirazione a sinistra. Diverso a richiesta. Temperatura materiali standard. 105°C. A richiesta versione per 140°C in continuo.



DOUBLE BEARING - BASE PLATE

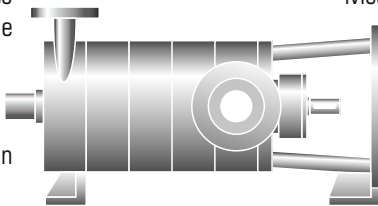
TSKB 31-32

Mechanical seal execution. Bearing system with ball bearings both on the suction and discharge side. Execution with feet suitable for B3 electric motor, internal combustion engine etc... Standard ports position: discharge on the top, suction on the left side. Different positions on demand. Max working temperature 105°C with standard materials. On request, execution suitable for 140°C continuous duty.

TSL 31-32

BRONZINA - LANTERNATA

Versione a tenuta meccanica. Supportazione con cuscinetto a sfere lato aspirazione e bronzina lato mandata. Esecuzione lanternata per accoppiamento a motori elettrici forma B5. Orientamento bocche standard: mandata in alto, aspirazione a sinistra. Diverso a richiesta. Temperatura materiali standard. 105°C. A richiesta versione per 140°C in continuo.



BEARING BUSH - LANTERN

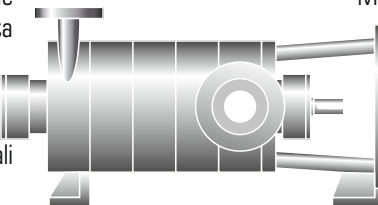
TSL 31-32

Mechanical seal execution. Bearing system with bearing bush and ball bearing suction side. Execution with lantern suitable for flanged B5 electric motors. Standard ports position: discharge on the top, suction on the left side. Different positions on demand. Max working temperature 105°C with standard materials. On request, execution suitable for 140°C continuous duty.

TSKL 31-32

DOPPIO SUPPORTO - LANTERNATA

Versione a tenuta meccanica. Supportazione con due cuscinetti a sfere posti alle estremità. Esecuzione lanternata per accoppiamento a motori elettrici forma B5. Orientamento bocche standard: mandata in alto, aspirazione a sinistra. Diverso a richiesta. Temperatura massima in continuo 140°C. Temperatura materiali standard. 105°C; superiori a richiesta.



DOUBLE BEARING - LANTERN

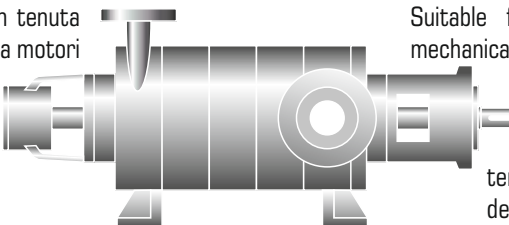
TSKL 31-32

Mechanical seal execution. Bearing system with ball bearings both in the suction and discharge side. Execution with lantern suitable for flanged B5 electric motors. Standard ports position: discharge on the top, suction on the left. Different positions on demand. Max working temperature 105°C with standard materials. On request, execution suitable for 140°C continuous duty.

TSKB 40-50

DOPPIO SUPPORTO - SU BASE

Disponibili 2 versioni: a baderna raffreddata e con tenuta meccanica. Esecuzione con piedi per accoppiamento a motori elettrici B3. Orientamento bocche: mandata in alto, aspirazione a sinistra. Diverso a richiesta. Temperatura massima in continuo 140°C. Temperatura materiali standard. 105°C. Consigliato raffreddare la baderna oltre 120°C.



DOUBLE BEARING - BASE PLATE

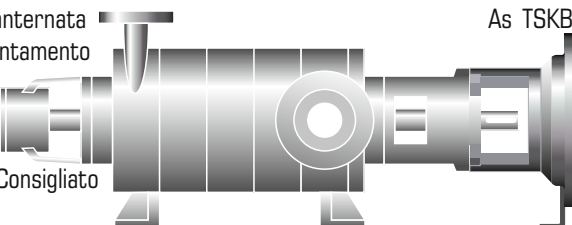
TSKB 40-50

Suitable for two versions: cooled gland packing or mechanical seal. Execution with feet suitable for B3 electric motors etc... Standard ports position: discharge on the top, suction on the left side. Different positions on request. Max working temperature 105°C with standard materials. On demand, execution suitable for 140°C continuous duty. Cool the gland-packing is recommended over 120°C

TSKL 40-50

DOPPIO SUPPORTO - LANTERNATA

Come versione TSKB, ma in esecuzione lanternata per accoppiamento a motori B5. Orientamento bocche: mandata in alto, aspirazione a sinistra. Diverso a richiesta. Temperatura massima in continuo 140°C. Temperatura materiali standard. 105°C. Consigliato raffreddare la baderna oltre 120°C.



DOUBLE BEARING - LANTERN

TSKL 40-50

As TSKB execution. but with lantern to be coupled with flanged B5 motors. Standard ports position: discharge on the top, suction on the left side. Different positions on demand. Max working temperature 105°C with standard materials. On request, execution for 140°C continuous duty. Seal cooling is recommended over 120°C

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