TS

T-1047 - REV01

CENTRIFUGA MULTISTADIO
MULTISTAGE CENTRIFUGAL



TS

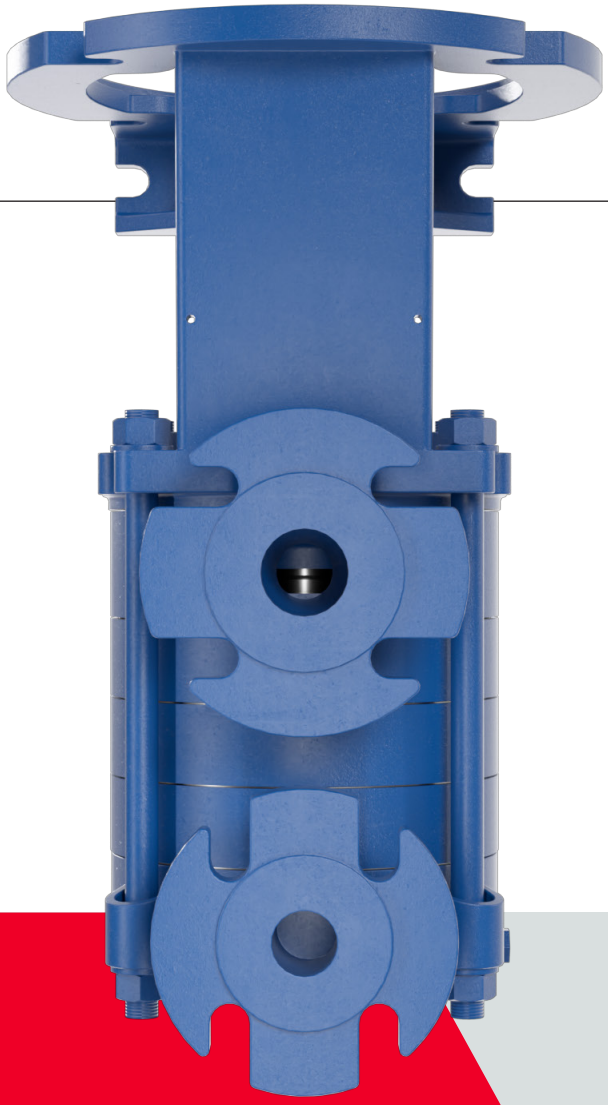
SALVATORE
ROBUSCHI
PUMPS

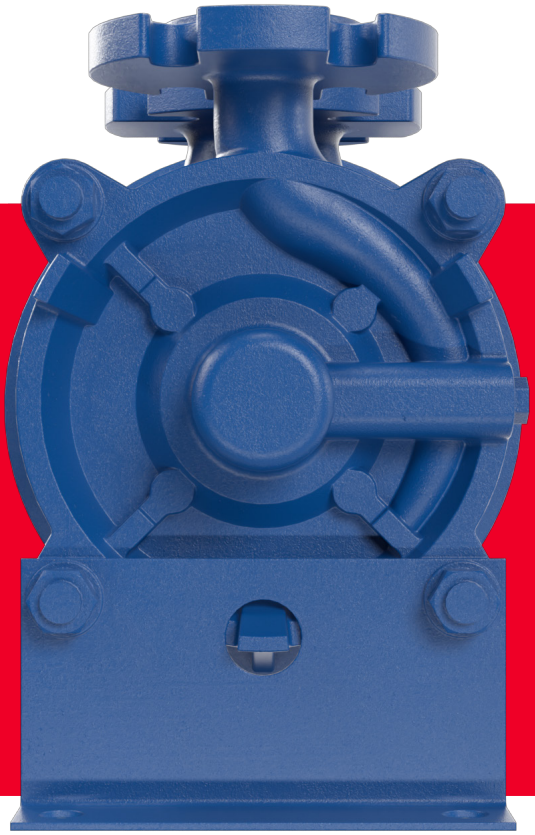
Tutti i diritti sono riservati, anche per quanto riguarda l'eventuale cessione, riproduzione, modifica, distribuzione dei dati.
Tutti i marchi, i diritti di proprietà sono di proprietà della Società.
La nostra politica è quella del miglioramento continuo del prodotto. Salvatore Robuschi Pumps si riserva il diritto di modificare i propri prodotti senza preavviso.
I dati riportati in questo catalogo, hanno lo scopo primario di descrivere il prodotto. Dalle informazioni non è possibile dedurre alcuna conferma relativa a condizioni di funzionamento o idoneità per una specifica applicazione. Le informazioni fornite non esonerano l'utente dall'obbligo e dalla responsabilità del proprio giudizio e verifica.

All rights reserved, also regarding any disposal, reproduction, editing, distribution of data. All trademarks and the property rights are property of the Company.
Our policy is one of continuous product improvement. Salvatore Robuschi Pumps reserves the right to modify its products without prior notice.
The data reported in this catalogue have the primary purpose of describing the product. No confirmation regarding operating conditions or suitability for a specific application can be deduced from these information.
The information provided by the Company does not release the user from the obligation of own judgment and verification.

TS

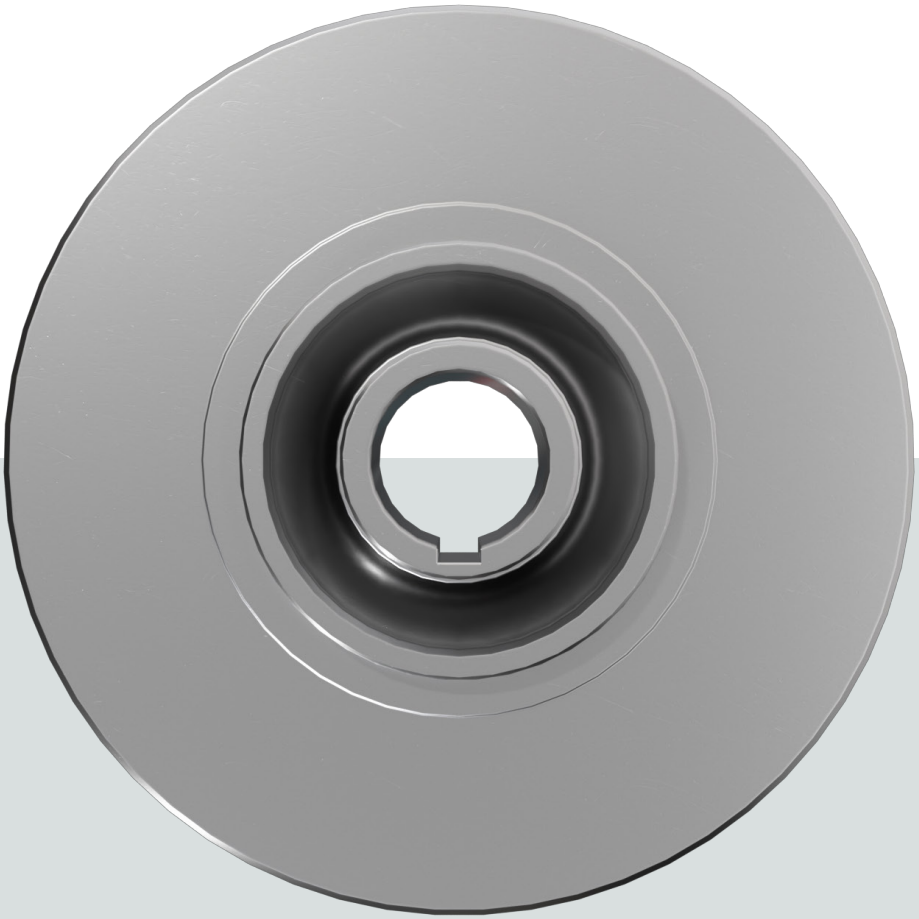
CENTRIFUGA MULTISTADIO
MULTISTAGE CENTRIFUGAL





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.

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.

LIMITI DI IMPEGO

La temperatura massima di esercizio continuo è di 105 °C con materiali e tenute standard. A richiesta, sono disponibili tenute e guarnizioni speciali per lavorare in servizio continuo a temperature fino a 140 °C.
Pressione massima in aspirazione 16 bar.
Pressione massima in mandata è 40 bar
(variabile con la temperatura di lavoro).

MANUTENZIONE FACILE

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

SEALS

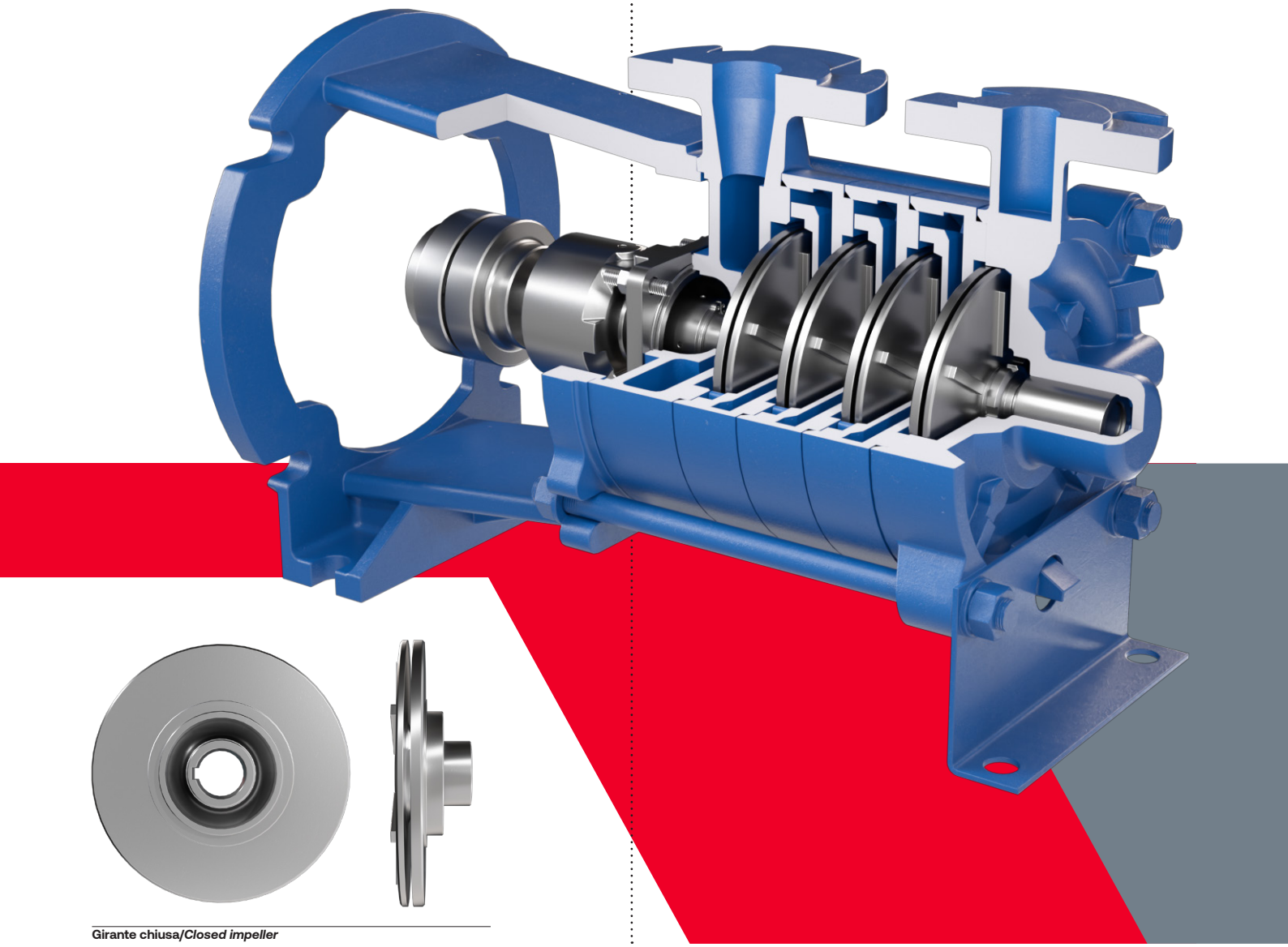
• TS 31 - 32 sizes are only available with mechanical seal.
• TS 40 - 50 sizes are available both with mechanical seal or packing gland. Cooling chambers are supplied as standard.

WORKING LIMITS

Maximum operating temperature is 105 °C with standard materials and seals. On demand, are available special seals and gaskets suitable for 140 °C in continuous duty.
Maximum suction pressure 16 bar.
Maximum discharge pressure 40 bar
(according to the working temperature).

EASY MAINTENANCE

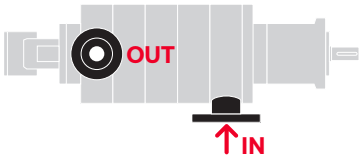
Ball bearings and mechanical seals can be replaced without disassembling the main group (shaft, impellers, diffusers and pump casings).



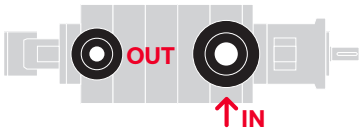
Girante chiusa/*Closed impeller*

ORIENTAMENTO BOCCA ASPIRAZIONE
SUCTION PORT POSITION

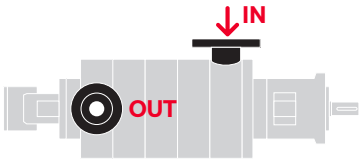
Sinistra
Left



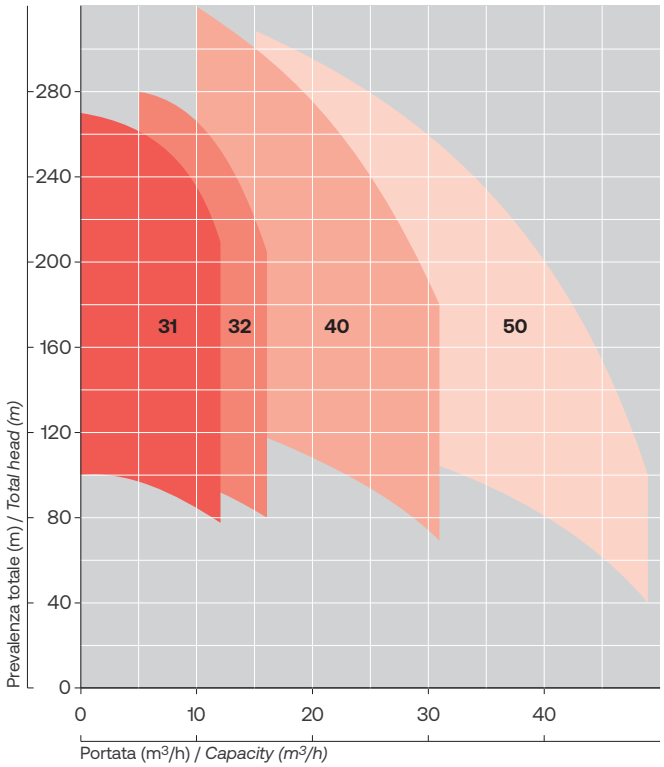
Alto
Top



Destra
Right



CAMPO DI APPLICAZIONE
COVERAGE CHART

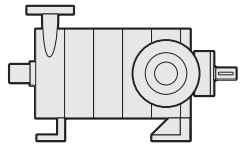


- Dimensioni bocca di mandata
  Da DN 32 a DN 50
- Pressione massima di esercizio
  Fino a 40 bar
- Portata
  Fino a 45m3/h
- Prevalenza
  Fino a 350 m
- Temperatura
  Fino a 140°C
- Materiali
  Corpi e diffusori in ghisa GJL250, albero in AISI 420, bronzine in Bronzo.
  Su richiesta: albero in AISI 316 e bronzine speciali
- Flange
  EN 1092-2 PN16 (aspirazione), EN 1092-2 PN40 (mandata)

- *Discharge sizes*
  From DN 32 to DN 50
- *Maximum working pressure*
  Up to 40 bar
- *Flow Rate*
  Up to 45 m³/hr
- *Differential head*
  Up to 350 m
- *Temperature*
  Up to 140 °C
- *Materials*
  Casing and diffusers in Cast Iron GJL250,
  shaft in AISI 420, bearing bushes in Bronze.
  Upon request: AISI 316 shaft and special bearing bushes
- *Flanges*
  EN 1092-2 PN16 (suction), EN 1092-2 PN40 (discharge)

ESECUZIONI | *EXECUTIONS*

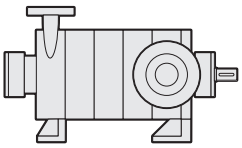
Bronzina - Su Base
Bearing bush - Base plate
TSB 31-32



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.

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.

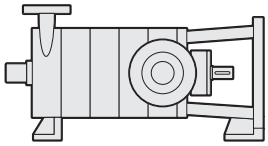
Doppio supporto - Su base
Double bearing - Base plate
TSKB 31-32



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.

Mechanical seal execution. Bearing system with ball bearings both on the suction and discharge side. Excution 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.

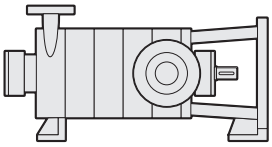
Bronzina - Lanternata
Bearing bush -Lantern
TSL 31-32



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.

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.

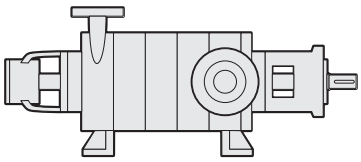
Doppio supporto - Lanternata
Double bearing - Lantern
TSKL 31-32



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.

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.

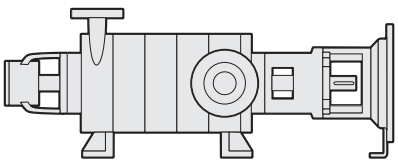
Doppio supporto - Su base
Double bearing - Base plate
TSKB 40-50



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

Suitable for two versions: cooled gland packing or mechanical seal. Excution 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.

Doppio supporto - Lanternata
Double bearing - Lantern
TSKL 40-50



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 contiunuo 140°C.
Temperatura materiali standard. 105°C.
Consigliato raffreddare la baderna oltre 120°C.

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.