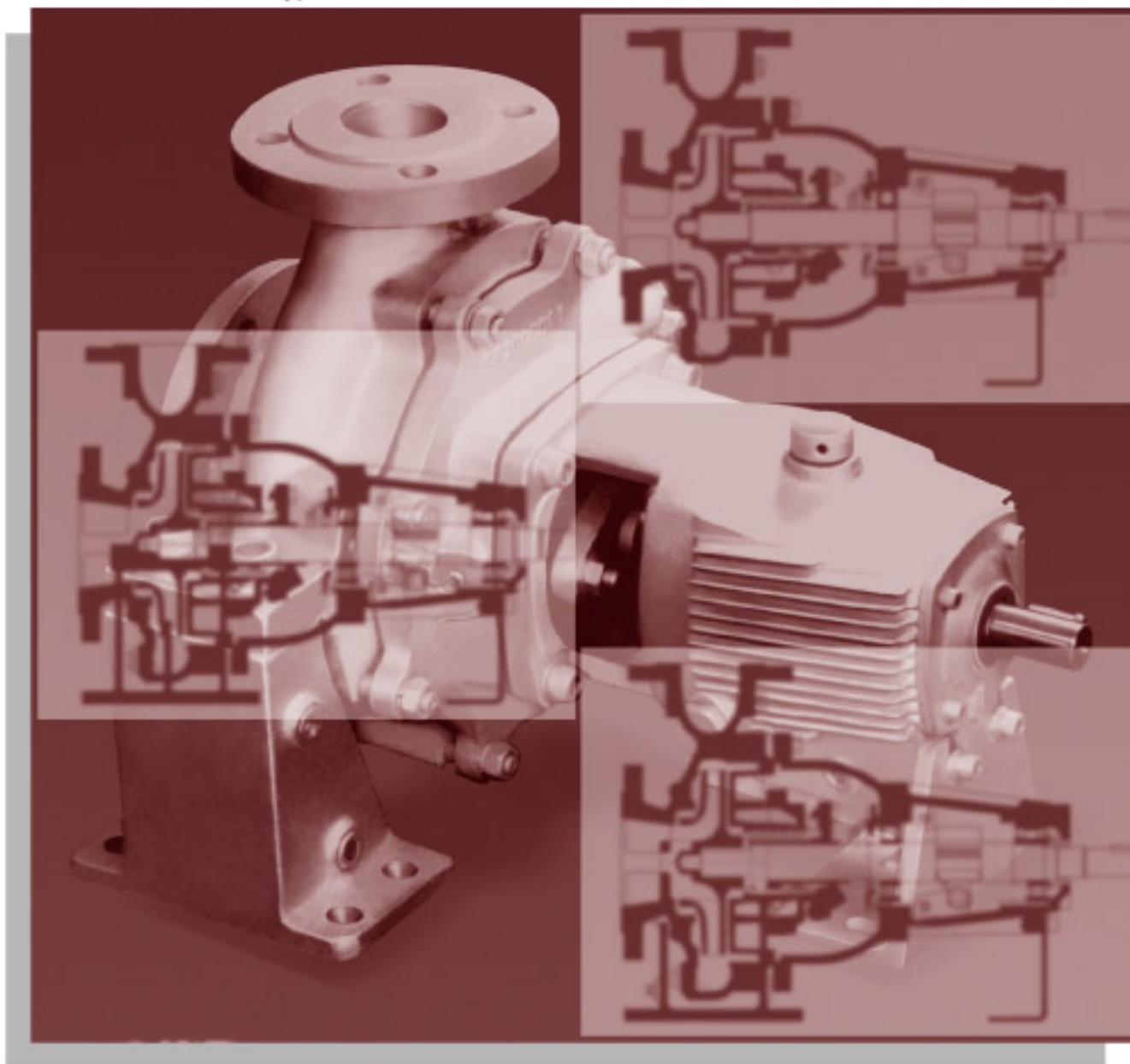


Pumps for Thermic Fluid

Combi Centre Line - type CCL V1/V2/V3/V4

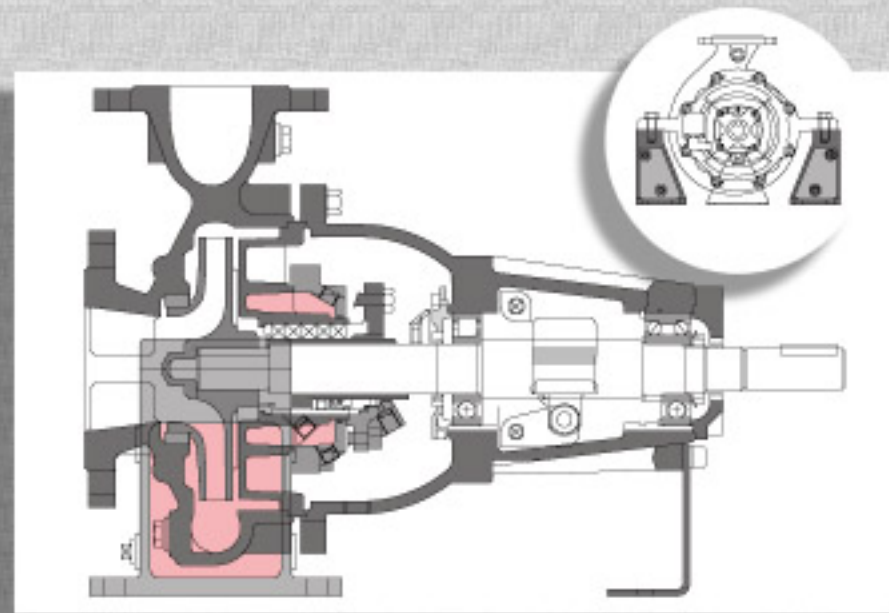



JOHNSON PUMP

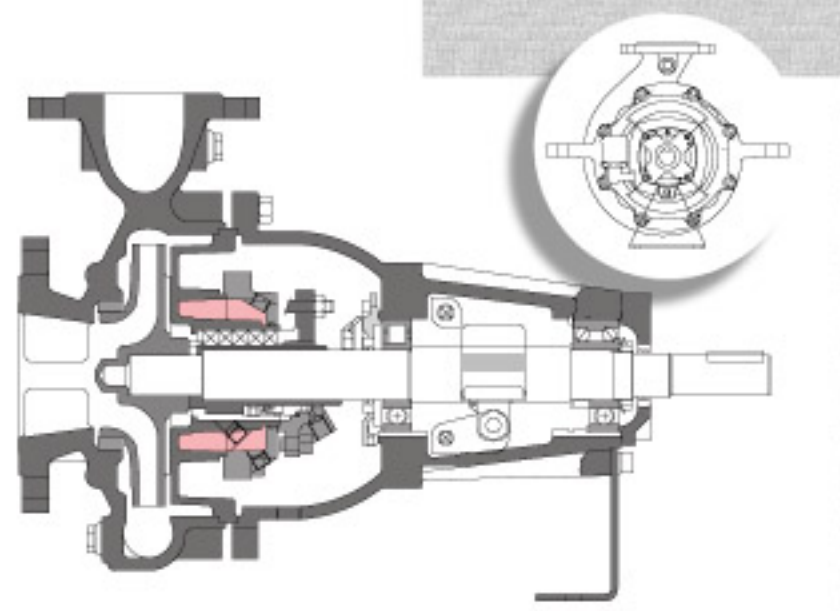
Combi CentreLine Pump - type CCL

Centrifugal single stage centreline pump for thermic fluids

Combi CentreLine is an end suction back pullout pump specifically designed to handle thermic fluids at high temperatures. The pump is provided with cooling jacket for the stuffing box incorporating special packings suitable for high temperatures. Also available, pump with cooling jacket for bearing housing and/or pedestals. Mechanical seals can also be provided on request. The pump is fitted with Ball bearing of C3 class clearances. Optionally heavy-duty roller & angular contact bearing can also be delivered.



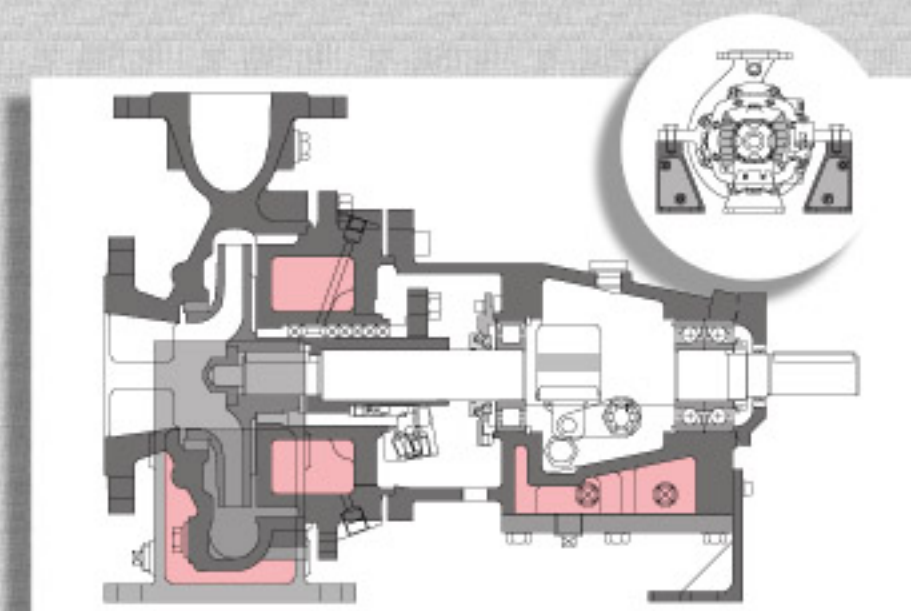
V3 - pump with jacketed front pedestals



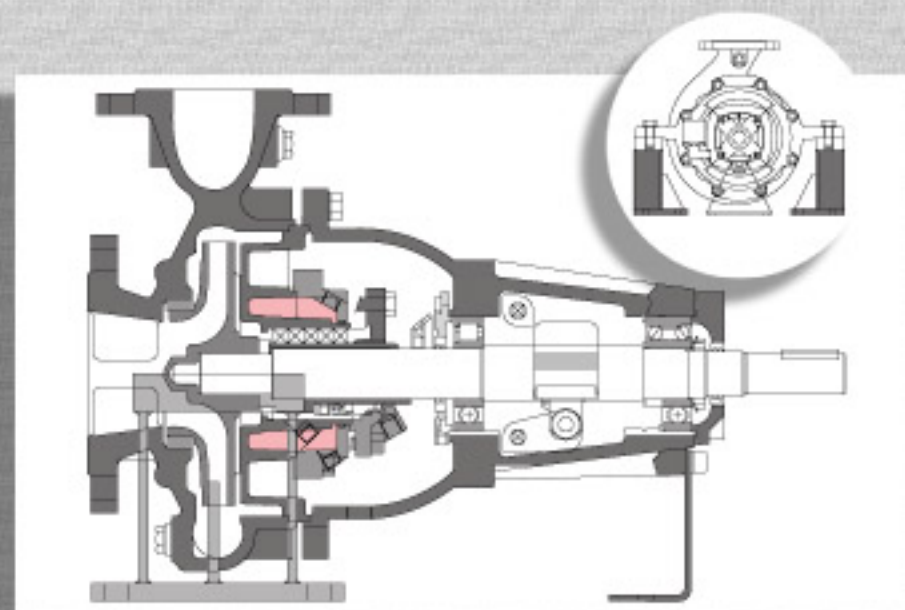
V1 - pump without front pedestals

Technical data	
Flow	210 m ³ /h
Head	110 m
Working pressure	16 bar
Max. temp.	350°C

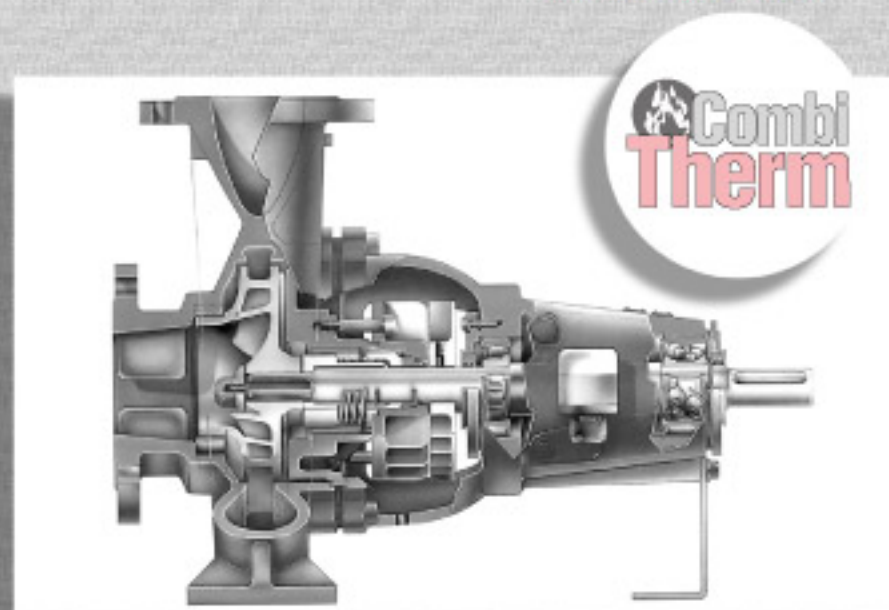
Material	
Pump casing	CS (WCB) / SS316
Pump cover (S. box)	CS (WCB) / SS316
Impeller	CS (WCB) / SS316 / CI
Shaft	SS431 / SS316
Shaft sleeve	SS431 / SS316
Pedestals	CS (WCB)



V4 - pump with jacketed front pedestals, stuffing box / seal chamber and bearing housing



V2 - pump with air-cooled pedestals



CombiTherm

CombiTherm is one more family of pumps specifically designed for handling liquids at high temperatures.

This pump is available in cast iron & nodular cast iron material of construction suitable for hot water as well as hot oils.

A heat shield ensures reduced temperatures at the mechanical seal this allows use of simple pusher type balanced or unbalanced mechanical seal for sealing.

The pump and the seal does not need any external water cooling since air cooling is achieved by a fan mounted on the pump shaft.



Applications

Combi Centre Line Type CCL is an ideal preference of equipment manufacturers viz. boiler, industrial heating systems etc. and suitable for boiler temperature upto 350°C.



Petrochemicals

circulation of thermic fluids



Textile

drying chambers

Chemicals/Pharmaceuticals

mixers and reactors for chemical products



Pulp & Paper

rolling presses

Food

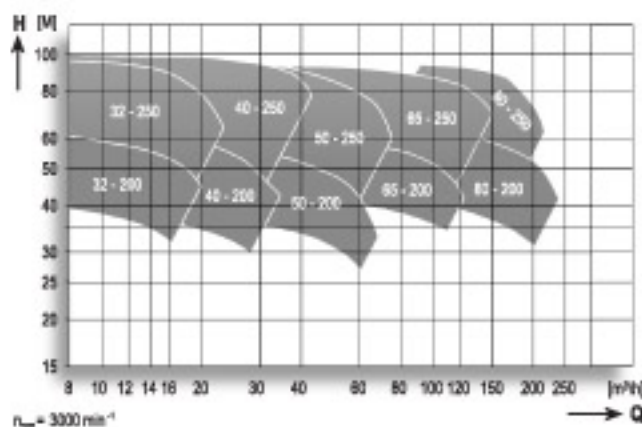
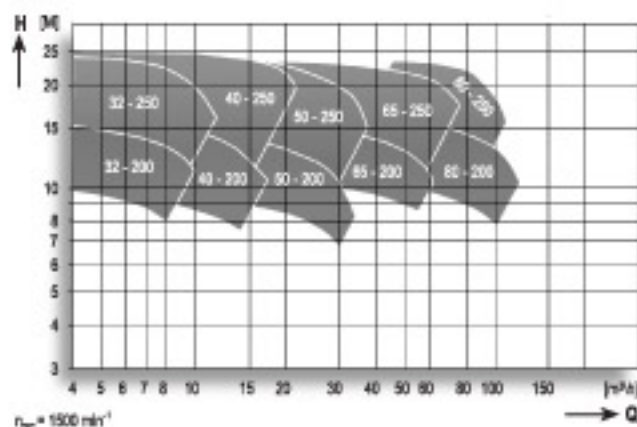
treatment of fats
cooking plants

Features

single stage, centrifugal, back pull out pump generally designed in confirmation to DIN 24256 with related features of API 610.

heavy-duty construction to ensure reliable pump performance even under fluctuating process conditions.

Performance data



Manufactured by :



Johnson Pump (India) Limited

Ahmedabad. In collaboration with Johnson Pump AB, Sweden.
The company reserves the right to change any specifications without prior notice



Exclusively marketed by :

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