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SICCA® 900 - 2500  
Type GLC




Size	DN	50 to 200 mm	Cast globe valve to ASME B 16.34, pressure seal bonnet design, butt weld ends, tapered seat, integral stellite back seat, outside screw and yoke, yoke head with ISO flange for actuator fitting, non-rotating stem and Y-pattern body design.
Pressure	p	up to 439 bar	
Temperature	t	up to 593°C	

SICCA® 800 - 2500  
Type PCF




Size	DN	15 to 50 mm	Forged check valve to BS 5352 (# 800/1500), ASME B 16.34 (# 2500), bolted cover for # 800, welded cover for # 1500/2500, socket weld for # 800-2500, socket thread for # 800, spring loaded disc.
Pressure	p	up to 439 bar	
Temperature	t	up to 593°C	

SICCA® 150 - 600  
Type SCC




Size	DN	50 to 300 mm	Cast check valve as per BS 1868, bolted bonnet, butt weld ends or flanged, swing disc arrangement with inside hinge pin and non-turning disc.
Pressure	p	up to 104 bar	
Temperature	t	up to 593°C	

SICCA® 900 - 2500  
Type SCC



Size	DN	50 to 300 mm	Cast check valve as per ASME B 16.34, pressure seal bonnet design, butt weld ends, swing disc arrangement with inside hinge pin and non-turning disc.
Pressure	p	up to 439 bar	
Temperature	t	up to 593°C	


ISORIA 10



Size	DN	50 to 600 mm	Centered disc replaceable rubber-lined butterfly valve, wafer and semilug design. Suitable for use in general industry, sugar, HVAC and process industry for water, air, non-aggressive and medium corrosive media.
Pressure	p	up to 10 bar	
Temperature	t	up to 120°C	


Valves for chemical, petrochemical oil production, processing, steam and power generation

**SICCA® 800-1500**  
Type GTF




Size	DN	15 to 50 mm	Forged gate valve to API 602(# 800/1500), bolted bonnet for # 800, welded bonnet for # 1500, socket weld for # 800-1500, socket thread for # 800, solid wedge, integral back seat and non-rotating stem.
Pressure	p	up to 439 bar	
Temperature	t	up to 593°C	

**SICCA® 150 - 600**  
Type GTC




Size	DN	50 to 300 mm	Cast gate valve to API 600, bolted bonnet, butt weld or flanged ends, flexible wedge, out-side screw and yoke and non-rotating stem.
Pressure	p	up to 104 bar	
Temperature	t	up to 593°C	

**SICCA® 900 - 2500**  
Type GTC




Size	DN	50 to 300 mm	Cast gate valve to ASME B 16.34, pressure seal bonnet, double disc wedge design, butt weld ends, integral stellited back seat, out-side screw and yoke and non-rotating stem.
Pressure	p	up to 439 bar	
Temperature	t	up to 593°C	

**SICCA® 800 - 2500**  
Type GLF



Size	DN	15 to 50 mm	Forged globe valve to BS 5352 (# 800/1500), ASME B 16.34 (# 2500), bolted bonnet for # 800, welded bonnet for # 1500/2500, socket weld for # 800-2500, socket thread for # 800, integral back seat, outside screw and yoke and rotating stem.
Pressure	p	up to 439 bar	
Temperature	t	up to 593°C	

**SICCA® 150 - 600**  
Type GLC



Size	DN	50 to 300 mm	Cast globe valve to BS 1873, bolted bonnet, butt weld ends or flanged, back seat bush and out-side screw and yoke.
Pressure	p	up to 104 bar	
Temperature	t	up to 593°C	

KSB - A Kaleidoscope

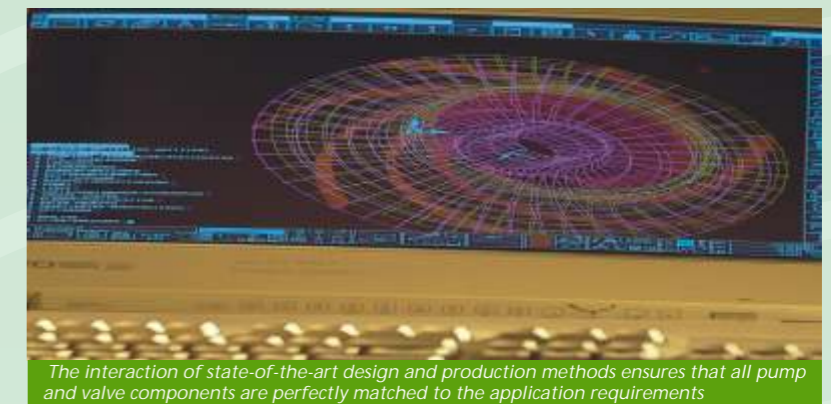
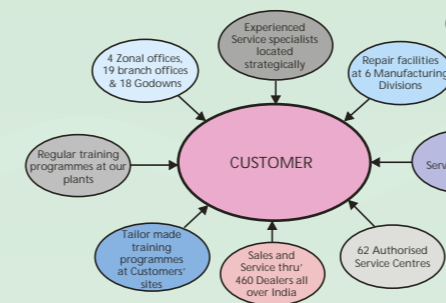
KSB - The Heart of your System

Fluid is one of the most dynamic elements of nature. Whenever there arises a need to harness this vibrant energy, KSB provides the ultimate technology. Wherever the task, whatever the expectations, KSB yields a free flow of solutions. Right from transportation and distribution of water, waste water and industrial fluids, to thermal and air-conditioning system needs. KSB regulates every element to perfection, economically, efficiently and reliably. A technology leader offering total fluid dynamics and handling solutions, KSB specialises in high-quality customer care. Support that is extended through consultation, planning, installation, maintenance and round the clock back-up. While KSB pumps gush out a free flow to success, KSB valves monitor and ensure the success. Today, KSB specialises in customising products, systems, services and solutions to conquer the most dynamic elemental force in the world.

KSB - A One-Stop Technology Shop

A comprehensive range of KSB pumps and valves are manufactured from the facilities of KSB Pumps Limited spread over six centres in India....each facility dedicated to a product line. In-house design and manufacture of jigs, fixtures and dies under strict tolerances, ensure that the highest levels of quality are maintained. An ISO 9001 organisation, KSB in India has systematised concurrent production of dissimilar components. All components, each with different specifications, flow through the computer-controlled manufacturing process.

A systematized solution by KSB involves more than merely designing and building the right pump and valve to meet the exacting demands of a variety of customers.



KSB also helps to instal the drives and all the necessary auxiliary equipment as also a comprehensive monitoring system.

All the pumps and valves are offered to the market through a very wide distribution network comprising of 4 zonal offices, 19 branches, over 460 authorised dealers, 4 service stations, 62 authorised service centres and 18 godowns.... All this to ensure, that for every KSB pump and valve in use, there is a KSB sales and service outlet around the corner.

KSB not only engineers state-of-the-art pump and valve technology but also strives to provide an airtight array of service around pumps and valves. KSB stands by its customers

all along, through the entire implementation of a project, offers continuous after-sales service and undertakes a variety of service contracts and energy audits to provide optimum and cost effective solutions.


At KSB, the relation with the customer is an ongoing partnership, continuing beyond product commissioning. Regular tailor-made training sessions are held, in-house and at the customers' sites, to acquaint them with selection, operation and maintenance to get the best from KSB pumps and valves.

All this has been made possible by the commitment and dedication of the collective strength of a 2200 strong team who firmly believe that rewards come through the success of a client's project.



**Pumps for waste water treatment system, sewage handling for municipal and building services and industrial applications**


**KRTU**



Pump Size	DN	40 to 200 mm
Capacity	Q	up to 650 m <sup>3</sup> / hr
Head	H	up to 100 m
Motor Rating	P	up to 30 kW
Temperature	t	up to 70°C
Speed	n	up to 2850 rpm

Single stage, submersible centrifugal pumps of closed coupled (monobloc) construction for handling municipal and industrial waste water. 3 types of impellers available to suit a variety of needs - E (single vane), K (non-clog two channel) & F (free flow) in transportable and stationary installations.


**KWP**



Pump Size	DN	65 to 200 mm
Capacity	Q	up to 600 m <sup>3</sup> / hr
Head	H	up to 100 m
Discharge pressure	p	up to 10 bar
Temperature	t	-30 to 250°C
Speed	n	up to 2900 rpm

Horizontal, single-stage, end suction pump in back pull-out design with radial flow impellers of single, double, or multivane, closed or semi-closed to suit different types of liquids to be pumped. Suitable to handle contaminated fluids, sludges, slurries, fluids containing ad-mixture and thick stock of all kinds.


**Ama®Porter**



Pump Size	DN	50 mm
Capacity	Q	up to 29 m <sup>3</sup> / hr
Head	H	up to 16 m
Motor rating	P	up to 1.1 kW (1Ø) up to 1.5 (3Ø)
Temperature	t	up to 40°C

Vertical, monobloc pumpset, free flow impeller of two sizes, 1Ø and 3Ø motors with IP 68 protection, 1Ø motor with built-in thermal overload protection and float switch, bi-directional mechanical seal and Stainless Steel hardware. Suitable for pumping surface water, rain water, waste water containing solids, drainage of sumps liable to flood, agricultural pits and canals.


**Ama®Drainer**



Pump Size	DN	25 mm
Capacity	Q	up to 16 m <sup>3</sup> / hr
Head	H	up to 12 m
Motor rating	P	up to 0.6 kW (1Ø)
Temperature	t	up to 35°C

Vertical fully floodable submersible motor pump with 1Ø motor, in-built non-return valve at discharge nozzle and float switch for automatic operation. Suitable for lowering surface water level, extraction of water from rivers and reservoirs, water transfer, drainage of cellars / basin, agricultural pits and sprinklers in gardens.


**HGM**



Pump Size		2 to 4
Capacity	Q	up to 280 m <sup>3</sup> / hr
Head	H	up to 1100 m
Discharge Pressure	p	up to 120 bar
Temperature	t	up to 140°C
Speed	n	up to 3600 rpm

Horizontal, multi-stage, centrifugal pump in ring section design with medium lubricated plain bearings. Suitable for boiler-feed duties and condensate transport in power stations and industrial boilers.

**CHT / R**




Pump Size		2 to 6
Capacity	Q	up to 1450 m <sup>3</sup> / hr
Head	H	up to 4500 m
Discharge Pressure	p	up to 420 bar
Temperature	t	up to 200°C
Speed	n	up to 7000 rpm

Horizontal, multi-stage, centrifugal, barrel casing pump in ring section design with radial impeller, single or double entry. Suitable for boiler-feed water for captive and combined cycle co-generation power plants. Meets API 610 8th edition requirements to handle hydrocarbons.




**RPH**



Pump Size	DN	25 to 250 mm
Capacity	Q	up to 1500 m <sup>3</sup> / hr
Head	H	up to 270 m
Discharge Pressure	p	up to 51 bar
Temperature	t	up to 450°C
Speed	n	up to 3600 rpm

Horizontal, single stage, radially split pump in back-pull-out design with end suction and top discharge fitted with a single entry closed radial impeller, available with inducer on request. Designed to API 610 9th edition or ISO 13709. Suitable to handle products in refineries, chemical, petrochemical and coal conversion plants, power station and environmental engineering applications.


**RPHb / RPKs**



Pump Size	DN	50, 80 & 150 mm
Capacity	Q	up to 350 m <sup>3</sup> / hr
Head	H	up to 400 m
Discharge Pressure	p	up to 80 bar
Temperature	t	-70 to 450°C
Speed	n	up to 3600 rpm

Horizontal, radially split, volute casing pump in process type construction according to API 610 8th edition / VDMA 24297, class A (heavy duty) with radial flow impeller, single suction two stage design, back to back impeller arrangement and centreline mounting. Suitable for handling various petroleum products.


**WKT / WKTA / WKTR / WKB**



Pump Size	DN	40 to 300 mm
Capacity	Q	up to 1500 m <sup>3</sup> / hr
Head	H	up to 500 m
Discharge Pressure	p	up to 63 bar
Temperature	t	-30 to 160°C
Speed	n	up to 3600 rpm

Vertical, radially split, multi-stage ring section pump with radial / mixed flow single entry impellers. WKTR pumps designed to API 610 9th edition. Suitable for condensate extraction from steam turbines, handling cold or hot water, process liquids for refinery and petrochemical applications and ammonia handling.


**HDB**



Pump Size	DN	100 and 125 mm
Capacity	Q	up to 680 m <sup>3</sup> / hr
Head	H	up to 2300 m
Discharge Pressure	p	up to 230 bar
Temperature	t	-50 to 200°C
Speed	n	up to 5500 rpm

Horizontal, multi-stage pump with ring section casing and radial single entry impellers. Suitable for boiler-feed applications and in high pressure hydraulic circuits for decortication, coke cutting, descaling and municipal water supply.

**HG**




Pump Size	DN	2 to 5
Capacity	Q	up to 1450 m <sup>3</sup> / hr
Head	H	up to 4200 m
Discharge Pressure	p	up to 420 bar
Temperature	t	up to 200°C
Speed	n	up to 7000 rpm

Horizontal, multi-stage, centrifugal pump in ring section design with radial impeller. Suitable for boiler-feed water for captive and combined cycle co-generation power plants.



## Pumps for water supply, transport and treatment for industrial, municipal and building services applications


**Submersible Motor Pumps 100 mm**



Well diameter	D	min. 100 mm
Capacity	Q	up to 80 m <sup>3</sup> / hr
Head	H	up to 275 m
Motor Rating	P	up to 18.5 kW
Speed	n	2900 rpm

Stainless Steel jacketed submersible pump in multi-stage construction with radial or mixed flow impellers in NORYL, coupled with water filled, water-lubricated single / three phase submersible motor or canned submersible motor. Suitable for horticulture, irrigation, housing, building services and farm houses.


**Submersible Motor Pumps 150 mm & above**



Well diameter	D	min. 150 mm
Capacity	Q	up to 900 m <sup>3</sup> / hr
Head	H	up to 300 m
Motor Rating	P	up to 110 kW
Speed	n	2900 rpm

Submersible pump in multi-stage construction with radial or mixed flow impellers coupled with water filled, water-lubricated single / three phase submersible motor. Suitable for irrigation, drinking water supply, mine de-watering, pressure boosting.


**MEGA**



Pump Size	DN	32 to 150 mm
Capacity	Q	up to 540 m <sup>3</sup> / hr
Head	H	up to 100 m
Discharge Pressure	p	up to 16 bar
Temperature	t	-30 to 160°C
Speed	n	up to 3600 rpm

Horizontal, end suction, centrifugal, radially split volute casing pump in back-pull-out design fitted with a single entry, single stage radial impeller. Suitable for handling clear liquids in applications for water supply, irrigation, air-conditioning, fire fighting, auxiliary process in paper, cellulose, sugar, food and textile industries.


**WKL**



Pump Size	DN	40 mm
Capacity	Q	up to 27 m <sup>3</sup> / hr
Head	H	up to 265 m
Discharge Pressure	p	up to 28 bar
Temperature	t	up to 140°C
Speed	n	up to 2900 rpm

Horizontal, radially split, ring section, multi-stage pump with radial impellers. Suitable for water works, irrigation, sprinkler installations, boiler-feed applications, condensate extraction, fire fighting and generating high pressure water used in hydraulic presses and descaling plants.

**MOVI**



Pump Size	DN	32 mm
Capacity	Q	up to 18 m <sup>3</sup> / hr
Head	H	up to 365 m
Discharge Pressure	p	up to 40 bar
Temperature	t	-10 to 140°C
Speed	n	up to 2900 rpm

Single or multi-stage ring-section centrifugal pump. Suitable for general water supply, sprinkling, irrigation, booster plants, circulation of warm, hot and cooling water, delivery of condensate and boiler-feed water and fire fighting applications.



MOVICHROM®  
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Pump Size	DN	32 - 50 mm
Capacity	Q	up to 24 m³ / hr
Head	H	up to 235 m
Discharge Pressure	p	up to 25 bar
Temperature	t	-30 to 120°C
Speed	n	up to 3600 rpm

Multi-stage, vertical inline high-pressure centrifugal pumps in ring-section design. Suitable for general water supply, sprinkling, irrigation and pressure boosting systems, warm water, hot water and cooling water recirculation, boiler feed systems, domestic water supply systems and washing plants.

WK / WL /  
WKS / WKFI



Pump Size	DN	40 to 150 mm
Capacity	Q	up to 630 m³ / hr
Head	H	up to 780 m
Discharge Pressure	p	up to 63 bar
Temperature	t	up to 230°C
Speed	n	up to 4500 rpm

Horizontal, radially split, ring section, high pressure multi-stage pump with radial impellers. Suitable for water works, irrigation, sprinkler installations, boiler-feed applications, condensate extraction, fire fighting and generating high pressure water used in hydraulic presses and descaling plants and other industrial applications.

WKS (Multi-outlet)



Pump Size	DN	80 to 150 mm
Capacity	Q	up to 630 m³ / hr
Head	H	up to 780 m
Discharge Pressure	p	up to 40 bar
Temperature	t	up to 120°C
Speed	n	up to 4500 rpm

Horizontal, radially split, ring section, multi-stage multi-outlet pump with radial impellers. Suitable for water applications and fire fighting.

MULTITEC



Pump Size	DN	32 to 150 mm
Capacity	Q	up to 840 m³ / hr
Head	H	up to 400 m
Discharge Pressure	p	up to 40 bar
Temperature	t	-10 to 140°C
Speed	n	up to 4000 rpm

Centrifugal, ring section, multi-stage pump in modular design for handling pure and slightly aggressive media. Suitable for water works, irrigation and boiler feed applications.

HDA



Pump Size	DN	40 to 125 mm
Capacity	Q	up to 576 m³ / hr
Head	H	up to 1450 m
Discharge Pressure	p	up to 135 bar
Temperature	t	-5 to 230°C
Speed	n	up to 6300 rpm

Horizontal, multi-stage pump with ring section casing and radial single entry impellers. Suitable for boiler-feed applications and in high pressure hydraulic circuits for decortication, coke cutting, descaling and municipal water supply.



Pumps for chemical, petrochemical, oil production, processing, steam and power generation

APP



Pump Size	DN	50 to 150 mm
Capacity	Q	up to 475 m³ / hr
Head	H	up to 105 m
Discharge pressure	p	up to 16 bar
Temperature	t	-100 to 180°C
Speed	n	up to 2900 rpm

Horizontal, single stage, end suction, radially split volute casing pump in back-pull-out design. Suitable for continuous operation in process industries to handle clean, abrasive, corrosive liquids and stock up to 8% consistency.

CPK



Pump Size	DN	32 to 250 mm
Capacity	Q	up to 1200 m³ / hr
Head	H	up to 150 m
Discharge Pressure	p	up to 25 bar
Temperature	t	-70 to 350°C
Speed	n	up to 2900 rpm

Horizontal, end suction, centrifugal, radially split, volute casing process pumps in back-pull-out design, fitted with a radial impeller, single-entry, single-stage designed to DIN 24256 / ISO 2858 / ISO 5199. Suitable to handle aggressive organic and inorganic fluids in chemical and petrochemical industries, refinery off-sites, paper and pulp, food and sugar industry, sea water desalination plants, absorption plants in environmental engineering and power stations.

MEGACHEM



Pump Size	DN	25 to 150 mm
Capacity	Q	up to 540 m³ / hr
Head	H	up to 100 m
Discharge Pressure	p	up to 16 bar
Temperature	t	-30 to 200°C
Speed	n	up to 3600 rpm

Horizontal, end suction, centrifugal, radially split, volute casing process pump in back-pull-out design, fitted with a radial impeller, single-entry, single-stage as per ISO 2858. Suitable to handle aggressive, organic and inorganic fluids in chemical and process industries like paper, cellulose, sugar, food, textile, drugs, pharmaceutical, breweries and distilleries.

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Pump Size	DN	32 - 50 mm
Capacity	Q	up to 24 m³ / hr
Head	H	up to 235 m
Discharge Pressure	p	up to 25 bar
Temperature	t	-30 to 120°C
Speed	n	up to 3600 rpm

Multi-stage, vertical high-pressure centrifugal pumps in ring-section inline design. Suitable for degreaser baths, alkaline cleaning baths, water treatment, transporting condensate, alkalines, oils and emulsions.

