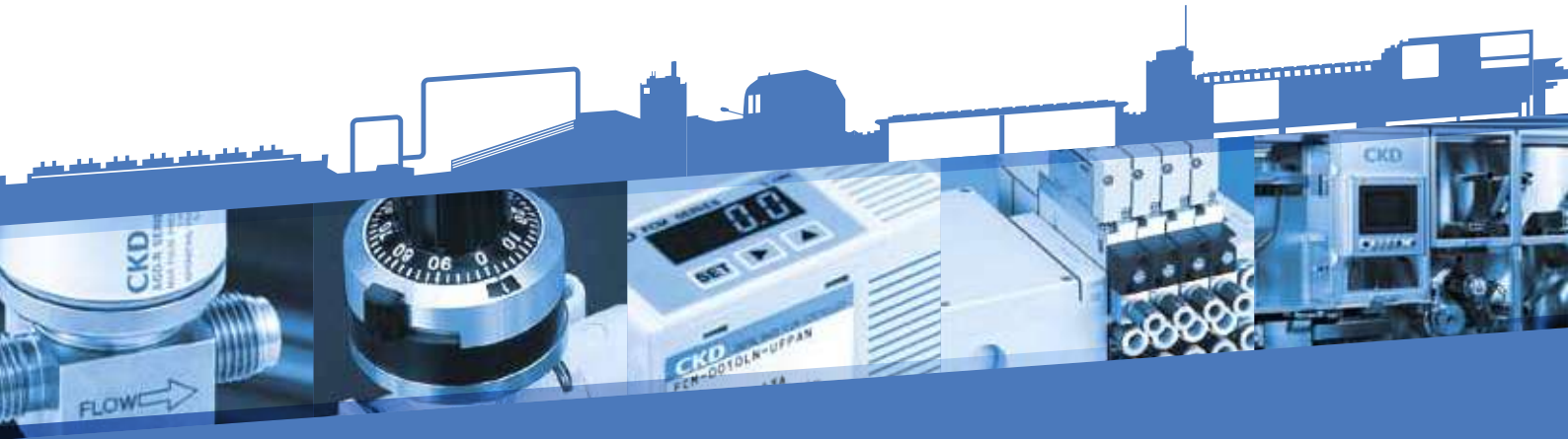




Various products to support your medical product process needs—from valves to packaging machines.

Machinery and equipment for pharmaceutical drug manufacturing processes

We support the automation of a wide range of medical products.

Provides environment-focused fluid control

Fluid control



CKD—the world's top manufacturer of fluid control products



For AGD N2 Control

High corrosion resistance and long service life (track record of 4 million cycles)
Ni-Co alloy diaphragm



70% less discarded raw materials



SPK Steam Valve

1,000,000 operation durability—the best in the industry for steam valves!



Power consumption compared with conventional models: 1/2

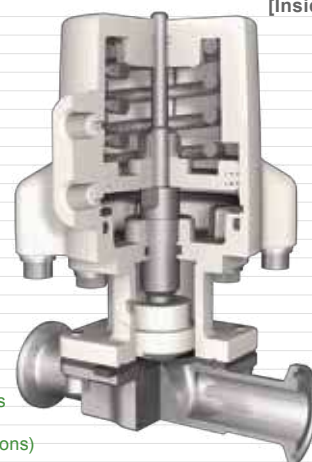
[Appearance]



SWD Sanitary Valve

Flow path helps to prevent fluid buildup, while the structure of the exterior seal offers high reliability. Diaphragm replacement without the stress

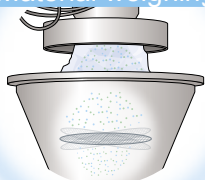
[Inside]



- Superior fluid installability and washability
- Smooth shape helps to prevent water drops and dust from building up
- Ferrule fittings (ISO2852 standard dimensions)
- Fluororesin coating can be washed in hydrogen peroxide solution
- Downsized actuator and low pilot pressure

Energy saving Space saving

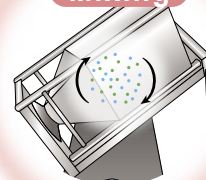
Material weighing



Granulation



Mixing



Air pressure control

Significantly improves maintainability



A full line-up of products that make maintenance easy

SHD Heatless Dryer



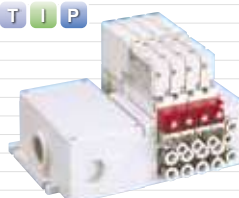
- Ultra dry air (-60°C to 72°C) can be easily supplied
- Directly manages the pressure dew point using numeric values
- No need to worry about corrosion Stainless steel tower adopted
- Air compressor can be connected directly
- Uses energy-efficient purge mechanism



In-stop Needle Valve

W4G2

Capable of replacing valves without stopping air sources, for use in plants and other environments in which the overall manifold pressure must not drop.



Main line filter AF4000/5000

Low pressure loss. Provides clean and high quality air to help eliminate oil.



Flexible reproducibility!

Easy reproducibility!

DVL

Speed controller shows the set flow rate. Flow rate adjustment just as you expect!



Air Panel

Can reduce assembly ordering costs. Contact us for air panels to meet your needs.



We offer total support for medical product manufacturing, based on our superior ability to engineer inspection devices, packaging machines, and pneumatic/fluid control products.

We offer a range of highly functional products in order to make your products safe and secure.

For packaging processes with reduced environmental load

Automated machine

Well-established automated machine with a long track record with major medical product manufacturers



Medical Blister MBP-500M



- Compatible with pre-filled syringes
- Medical blister packaging machine capable of switching products in 60 mins.

Eco Blister Pack FBP-300E

Thoroughly supports high-mix low-volume production. Dramatically improves production efficiency and product switching.



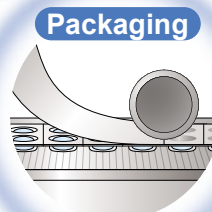
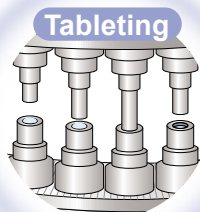
- The ultimate packaging system to reduce energy and save resources
Air consumption 50% down Power consumption 20% down
- Perfect noise control and maintenance
- Molds easily switched without any tools
- Designed for easy cleaning



Flash Patri FP620



- Electronic eye discerns thin objects of only 25 µm—the thickness of human hair (Foreign matter inspection machine for FTP sheets/tablets) [Inspection items] Pill braking, fragment mixing, shape/size differences, foreign matter, etc.



Drive components

Supports a wide range of motions

Supports a range of motions including rotation and direct acting.

Rotation positioning unit
ABSODEX AX Series

- Flexible adjustment of number of divisions and speed
- Easy setup



Electric actuator (Motorless type)
ETS Series

- Ball screw drive
- Load capacity: 5 to 150 kg (horizontal)



Provides environmentally-friendly flow rate pressure management

Sensors



Helps to visualize flow rate and pressure for all types of fluids!

PFK

Portable for easy air flow rate inspection—anywhere.



WFK

- Easy operation makes it possible to manage instantaneous flow rate and integrating flow
- Can also check water temperature

FSM2, FCM

Miniature flow rate sensors for all types of gases (including air, argon gas and nitrogen).

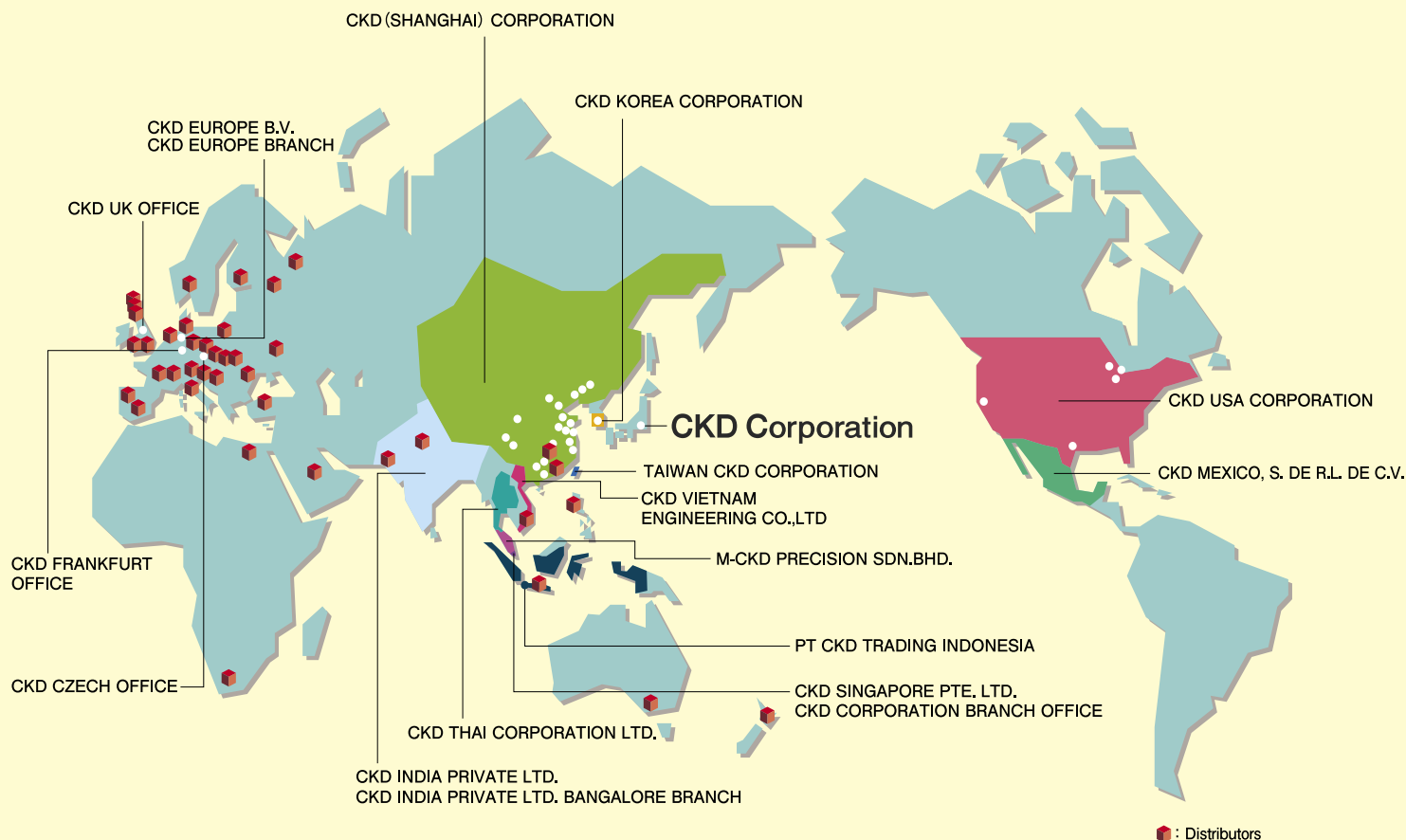
- High speed response of 50 msec or less
- No straight pipes required



WFC

- Capacitance type electromagnetic flow sensor means no obstacles in the flow path.
- The flow path was designed with a short structure, stabilizing flow within the flow path and eliminating the need for straight pipes.





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