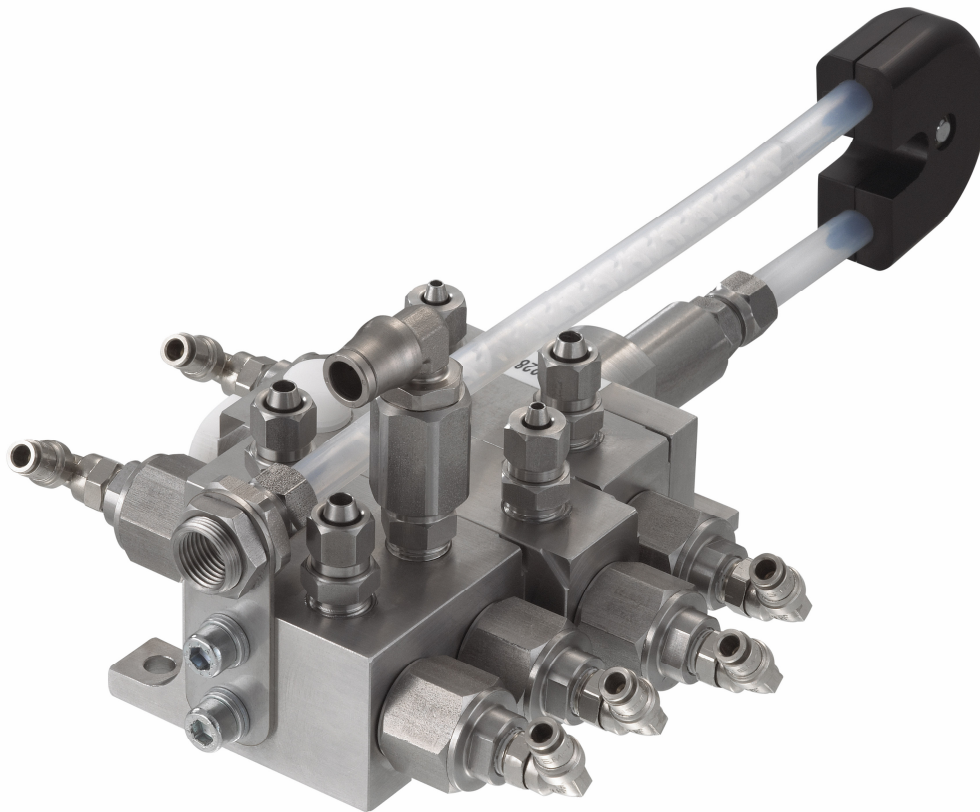


# 2K Mixer

## Precision Paint Mixing



### Designed for Precision and Flexibility

ABB's 2K mixers are specifically designed for precise mixing of two component fluids and optimized for fast color change.

#### Flexible design

Our 2K mixers have a modular design and features high flexibility in number of colors and catalysts. The 2K mixer is available in combination with 1 or 2 colors with or without dump, and 1 or 2 catalysts with or without dump.

The 2K mixer is mounted on a DIN rail, making it easy to expand without adding mounting holes.

These are our standard models:

- 1 color + 1 catalyst
- 1 color w/ dump + 1 catalyst
- 2 colors + 1 catalyst
- 2 colors + 2 catalysts
- 2 colors w/ dump + 1 catalyst
- 2 colors w/ dump + 2 catalysts w/ dump

The standard models have 24 mixing elements. Please contact your ABB sales office if you need more colors or mixing elements.

#### Fast color change

ABB's 2K mixers are specifically designed for fast color change. The internal bores of the 2K mixers have no "dead-ends", reducing the cleaning cycle to a minimum.

Check valves are separating the "valve area" for catalyst and color, eliminating hardening and growth of mixed material in this section.

For models with 2 colors or catalysts, the dump line gives the opportunity to load the next color while painting. This reduces the color change time to a minimum when the supply line is long.

#### Easy maintenance

There are no moveable parts in the 2K mixer itself. The only wearing parts are the 2/2 fluid valve and the mixing elements. Since the fluid valve is modular, it can be taken out easily for maintenance - without disconnecting any fluid hoses. Mounted on a DIN rail the 2K mixer is easy to remove for maintenance.

# 2K Mixer

## Precision Paint Mixing

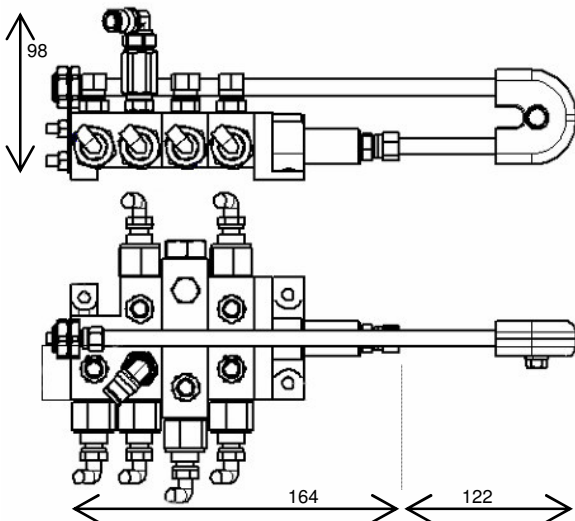
### TECHNICAL DATA, 2K MIXER

#### SPECIFICATIONS

Type	Modular 2K mixer in Stainless Steel AISI 303.
Max. fluid flow	Dependent on fluid viscosity, system pressure and the needed accuracy on coated object. Maximum flow should be verified with actual fluid material.
Min. fluid flow	If required, special mixing elements for fluid flows from 25-100 ml/min are available. Please contact your ABB sales office.
Accuracy	± 2%
Max. fluid pressure	20 bar
Rec. operating fluid pressure	2-4 bar
Rec. air pilot pressure	5-10 bar
Max. allowable fluid temp.	60 °C
Fluid connections	4 x 6 mm to 6 x 8 mm
Steel material	For waterborne and solvent based paint

#### DIMENSIONS

2K mixer with 1 catalyst and 1 color with dump.

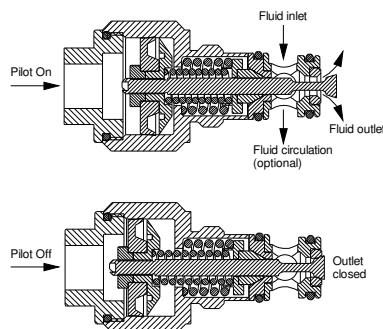


Please note:

An extra, separate cleaning unit is needed for 2K mixers with dump for catalyst. This is to prevent crystallized catalyst in the dump line.

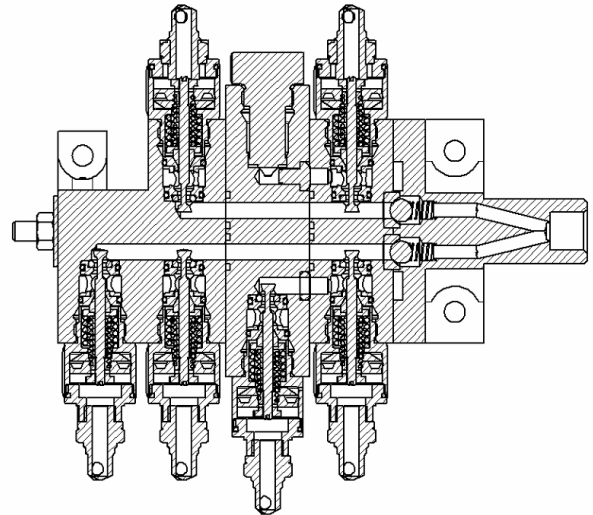
#### 2/2 FLUID VALVE

The 2K Mixer consists of one modular 2/2 fluid valve for each fluid inlet. The 2/2 fluid valve is pneumatically controlled, quick on/off, normally closed and "fail-safe".



#### CLEANING UNIT

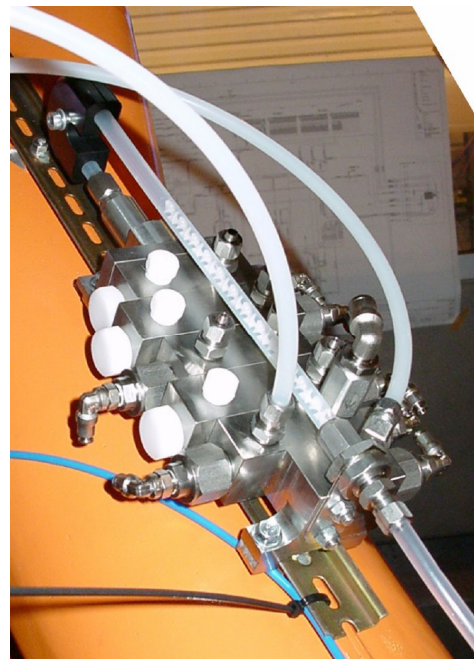
The 3 (4) fluid valves at the back of the 2K mixer are always used for cleaning agent and air. The "valve area" for catalyst and color are recommended to be cleaned sequential. Normally there is no valve for air on the catalyst side.



Section view of 2K Mixer with 1 catalyst and 1 color with dump

#### EASY INSTALLATION AND MAINTENANCE

The 2K Mixer is mounted on a DIN rail for easy expansion without adding mounting holes, and easy removal for maintenance.



Data and dimensions may be changed without notice.