

Color changers

Low pressure or high pressure color changer

Product families

EcoMCC3 20 – low pressure color changer

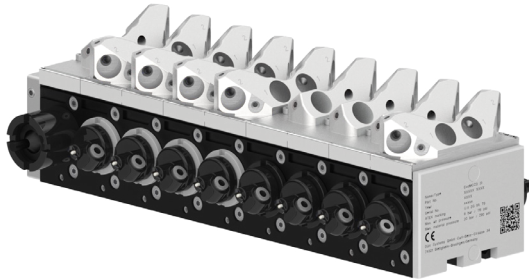
EcoMCC 200 – high pressure color changer

EcoValve7 20 – low pressure color changer with diaphragm valves

EcoMCC3 20

Low pressure color changer

The **EcoMCC3 20** color changer has been designed for rapid color changes. During design, great emphasis was focused on an optimal feed to realize a minimum color loss and maximum maintenance friendliness. This color change valve generation can be used with water or solvent-borne primer paints, top coating and 1K clear varnishes material to enable weight optimization. The **EcoMCC3 20** can be utilized independent or in combination with **EcoBell** or **EcoGun** product package.



CUSTOMER BENEFITS

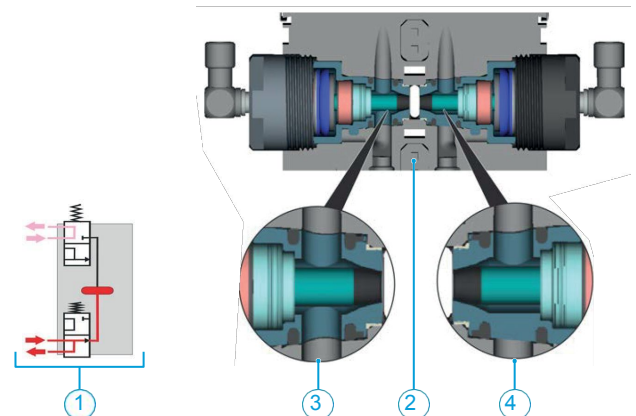


Highly flexible - can be extended at any time by adding a 2-color strip
 Each color can either be configured as deadend or circulation system.

PRODUCT LINE

	EcoMCC3 20
Part No.	N14800002V
Connector fluid	Dürr paint fitting
Connector air	Push-in 4 mm
No. of colors	up to 36 colors
Max. fluid pressure	20 bar (290 psi)
Operating temperature	10-40 °C (50-104 °F)
Materials contacted by media	Polyoxymethylene (POM), Titanium, Stainless steel

TECHNICAL ILLUSTRATION



1 Single channel color changer in circulation mode, 2 Stainless steel valve, 3 Circulation, 4 Tap line mode

ORDER CODE

EcoMCC3 20		Code	Option
Option	Code		
No. of color deadend			Mounting rail
1-36	1-36	J	yes
No. of color circulation			Sensors color changer
1-36	1-36	N	Without pressure sensor
No. of paint ducts			With pressure sensor
A canal	A	P	With HT-proof pres. sensor
AB canal	AB	WHT	Cover plate
Executing direction		B	G1/8"
left	L		Type of valve color chang.
Right	R	3	EcoMCC3
Purging technology		3S	EcoMCC3 S
Solvent/pulse air	SP		
Solvent/pulse air/paint return	SP		
	P		

EcoMCC 200

High pressure color changer

The **EcoMCC 200** is a color changer solution for airless or air-assist varnishing of water and solvent-borne paint. Due to its short switching times, the **EcoMCC 200** is also suitable as a dosing valve in 2K applications. The color change is effected quickly thanks to short flushing and low dead space. An additional chamber contains a plasticizer that prevents both, hardening of the media on the valve needle and higher wear and tear.

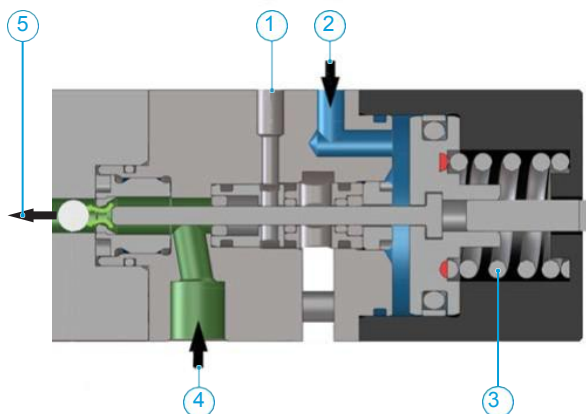


PRODUCT LINE			
	EcoMCC 200 1C D SST	EcoMCC 200 2C D SST	EcoMCC 200 4C D SST
Part No.	N14100006	N14100001	N14100002
Connector fluid	G1/8" / G1/4"	G1/8" / G1/4"	G1/8" / G1/4"
Connector air	M5	M5	M5
No. of colors	1	2	4
Max. fluid pressure	200 bar (2,900 psi)	200 bar (2,900 psi)	200 bar (2,900 psi)
Operating temperature	15-40 °C (59-104 °F)	15-40 °C (59-104 °F)	15-40 °C (59-104 °F)
Materials contacted by media	Stainless steel, carbide	Stainless steel, carbide	Stainless steel, carbide



	EcoMCC 200 6C D SST	EcoMCC 200 8C D SST	EcoMCC 200 10C D SST
Part No.	N14100003	N14100004	N14100005
Connector fluid	G1/8" / G1/4"	G1/8" / G1/4"	G1/8" / G1/4"
Connector air	M5	M5	M5
No. of colors	6	8	10
Max. fluid pressure	200 bar (2,900 psi)	200 bar (2,900 psi)	200 bar (2,900 psi)
Operating temperature	15-40 °C (59-104 °F)	15-40 °C (59-104 °F)	15-40 °C (59-104 °F)
Materials contacted by media	Stainless steel, carbide	Stainless steel, carbide	Stainless steel, carbide

TECHNICAL ILLUSTRATION



1 Collecting pan connection, 2 Control air connection, 3 Compression spring, 4 Material inlet, 5 Material outlet

CUSTOMER BENEFITS



Standard offer includes up to 10 valves
Material pressure up to 200 bar (2,900 psi)

Carbide valve seat and needle for longer downtime periods

Minimal flushing due to reduction of dead space

Second chamber for plasticizers
Faster valve change during maintenance

ATEX Ex II 2G Ex h IIA T6 Gb X

EcoValve7 20

Low pressure color changer with diaphragm valves

EcoValve7 20 is a low pressure color changer, designed for advanced 2K application. In contrary to classical valve designs, the EcoValve7 20 is equipped with a diaphragm seal between needle and piston. Therefore leakages are impossible. In addition, the valve opens automatically in an overpressure situation. The diaphragm valve is characterized by its extremely high lifetime, its easy to clean surface and its integrated needle seat which guarantees a fast maintenance.

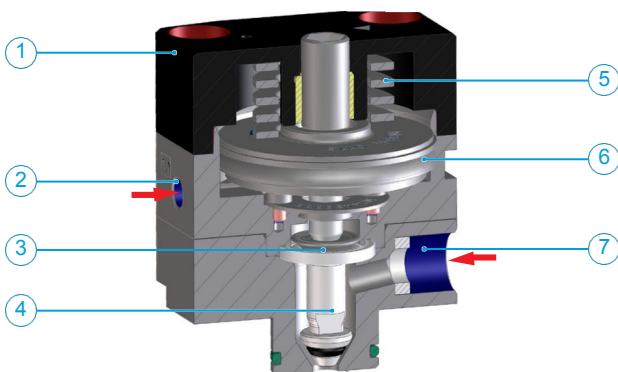


PRODUCT LINE				
	EcoValve7 20 1C	EcoValve7 20 2C	EcoValve7 20 3C	EcoValve7 20 4C
Part No.	N32350010	N32350011	N32350014	N32350012
Connector fluid	G1/8"	G1/8"	G1/8"	G1/8"
Connector air	M5	M5	M5	M5
No. of colors	1	2	3	4
Max. fluid pressure	20 bar (290 psi)	20 bar (290 psi)	20 bar (290 psi)	20 bar (290 psi)
Media temperature	15-50 °C (59-122 °F)	15-50 °C (59-122 °F)	15-50 °C (59-122 °F)	15-50 °C (59-122 °F)
Materials contacted by media	Stainless steel, titanium	Stainless steel, titanium	Stainless steel, titanium	Stainless steel, titanium



	EcoValve7 20 5C	EcoValve7 20 6C	EcoValve7 20 8C
Part No.	N32350015	N32350016	N32350020
Connector fluid	G1/8"	G1/8"	G1/8"
Connector air	M5	M5	M5
No. of colors	5	6	8
Max. fluid pressure	20 bar (290 psi)	20 bar (290 psi)	20 bar (290 psi)
Media temperature	15-50 °C (59-122 °F)	15-50 °C (59-122 °F)	15-50 °C (59-122 °F)
Materials contacted by media	Stainless steel, titanium	Stainless steel, titanium	Stainless steel, titanium

TECHNICAL ILLUSTRATION



1 Housing, 2 Control air inlet, 3 Diaphragm, 4 Needle, 5 Spring, 6 Diaphragm, 7 Material inlet

CUSTOMER BENEFITS



Diaphragm technology of EcoValve7 20 ensures a high lifetime and prevents the system from bursting hoses
 Flat surfaces allow easy cleaning Special industrial design of EcoValve7 20 increases robustness by high value covers and surfaces