

LEADING IN  
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EFFICIENCY



## EcoSupply P Basic Single Pass

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Bietigheim-Bissingen

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# Efficient Special Paint Supply Systems



## Many different colors



## EcoSupply P

- Efficient pig technology
- Log pig life cycle
- Shortest color change times
- Modular system
- Retrofittable



# Special Paint Supply Systems

## EcoSupply P solutions to reduce waste

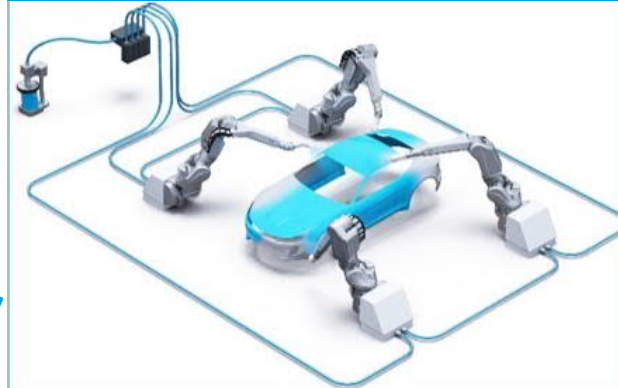


- Less paint usage
- Less paint loss
- Less consumption of rinsing medium
- Less waste

- System without additional stubs to connect the robots

- Systems with additional stub to connect the robots

Basic Single Pass System DN9



Single Pass System DN9/12



Basic Main Pass System DN12/16

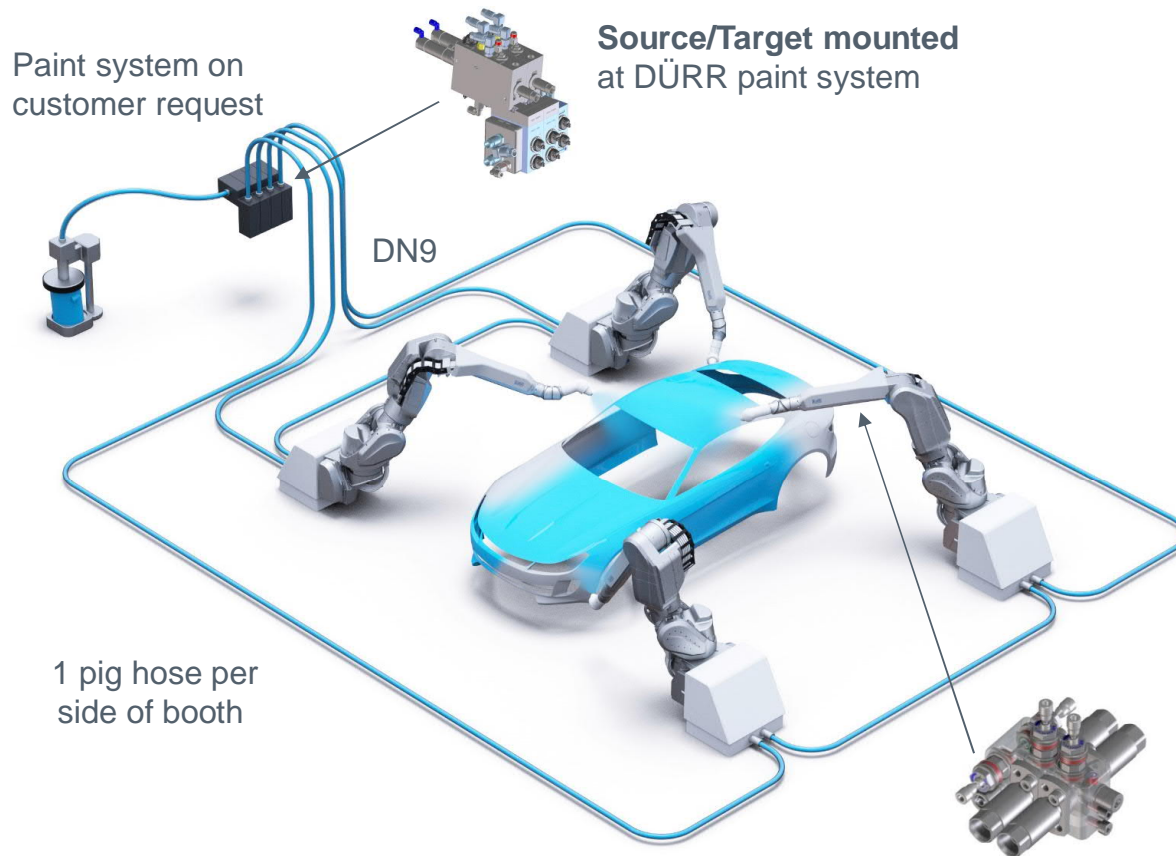


Main Pass System DN12/16



# Basic Single Pass System DN9

Paint loss optimized: Nearly 100% recovery of paint



The **EcoSupply P** Basic Single Pass System DN9 offers a cost-effective solution to reduce paint loss from the paint system to the robots with paint recovery at the end of the application.

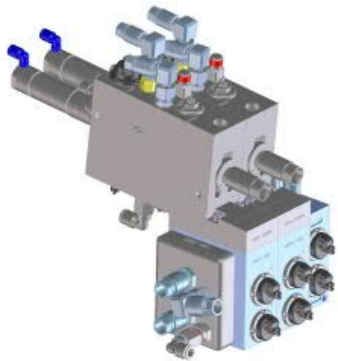
The connection of the robots will be realized with piggyback distributors.

This system can easily be connected with the existing application units, e.g. as a substitute for non-piggable mini ring line systems.

**Distributor mounted**  
at DÜRR Color changer  
or connected to competitor's  
color changer with central  
channel

# Basic Single Pass System DN9

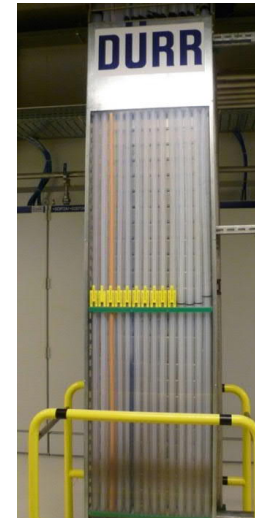
## Standard pig parts for Basic Single Pass System



Source/Target module



Distributor module



Pig hose DN9



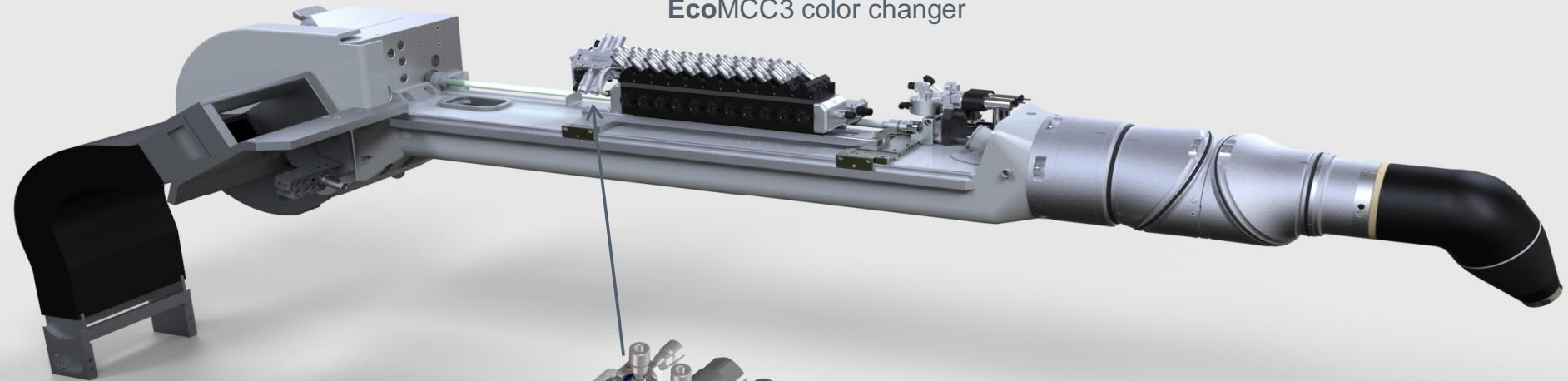
Pig DN9

# Basic Single Pass System DN9

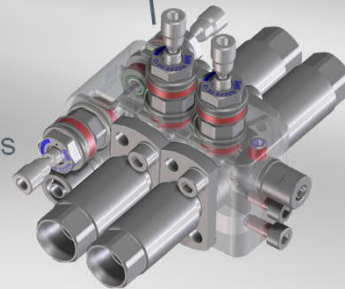
Paint loss optimized: Nearly 100% recovery of paint



EcoMCC3 color changer

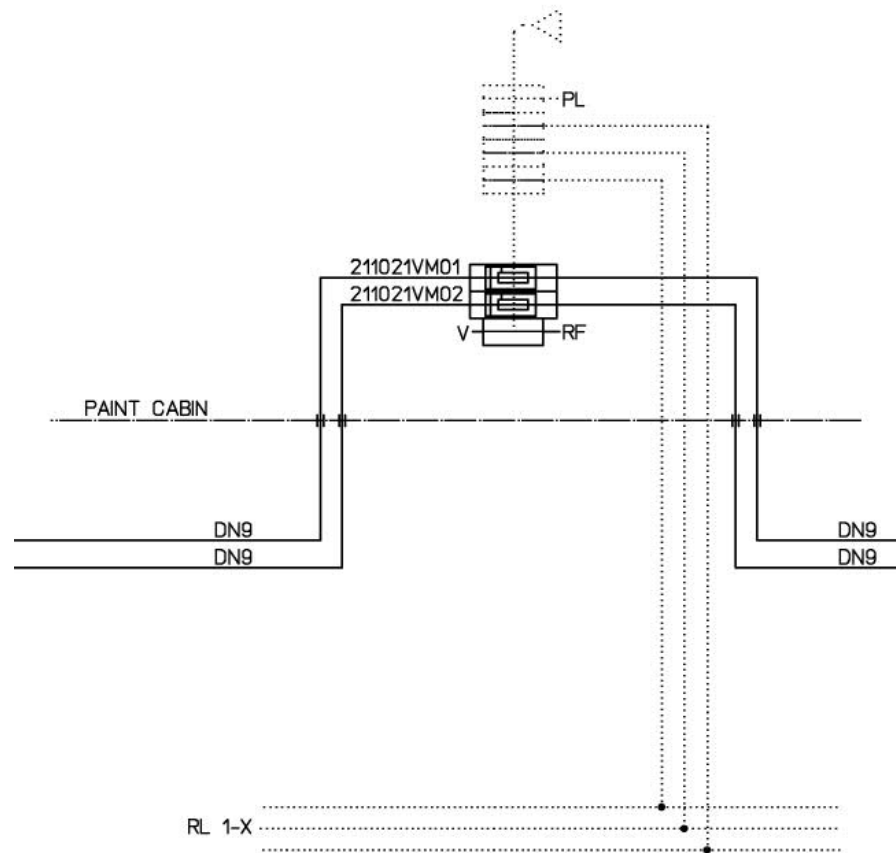


EcoSupply P, Distributor 2-channels



# Basic Single Pass System DN9

Paint loss optimized: Nearly 100% recovery of paint



## Advantages

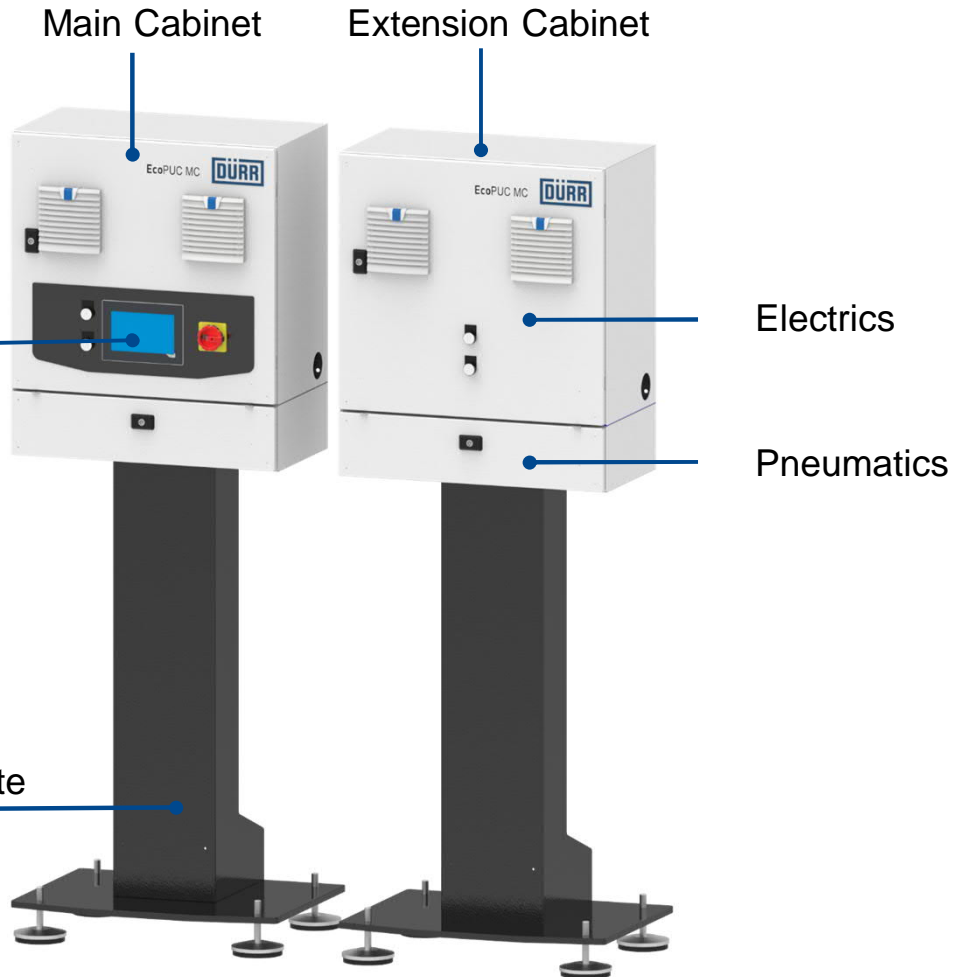
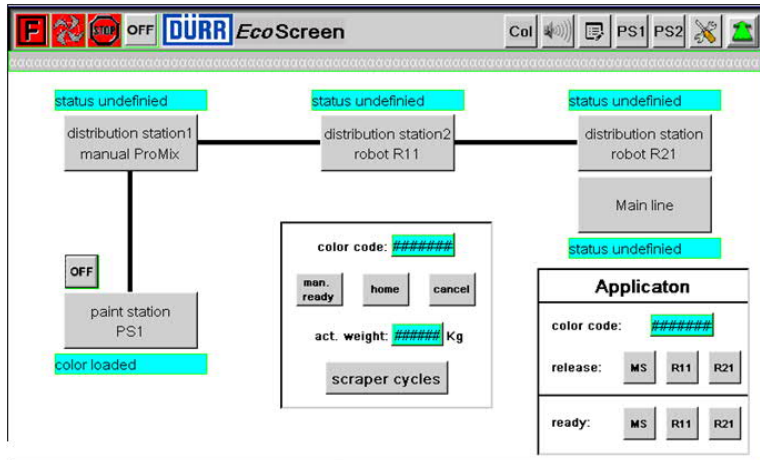
- Simple system
- Minimized number of valves / complexity  
Only 1 valve per system and robot/take off
- Control of valve by robot control or take off  
No solenoid valve technology and electrical installation from Supply P control necessary
- Distributor available with 2 or 4 channels

## Restrictions

- No reduction of paint usage
- Depending on inner diameter DN9  
high pressure loss → Number of take offs per side of booth = 4

# Basic Single Pass System DN9

## Control units local and remote

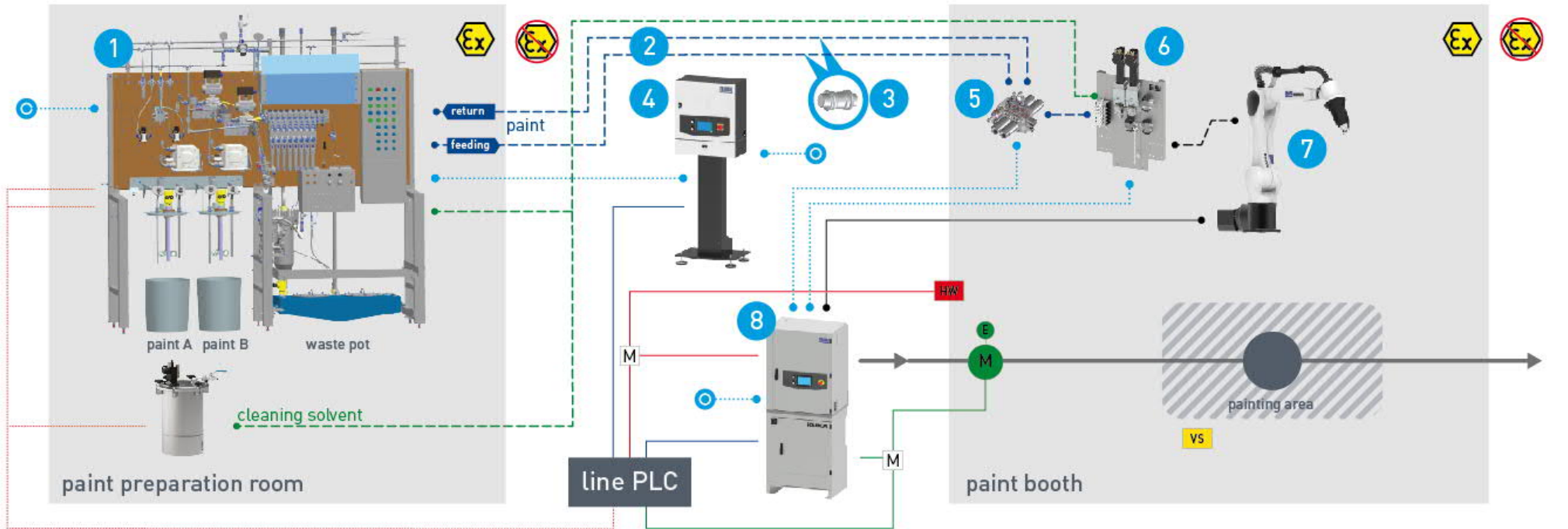


Intrinsically safe remote user interface



# Basic Single Pass System DN9

## System components and products



### APPLICATION COMPONENTS

- 1 Paint Supply System
- 2 Pig hose
- 3 Pig
- 4 Supply controller
- 5 Distributor
- 6 Fluid plate
- 7 Painting robot
- 8 Rotot controller

### ELECTRIC COMPONENTS

- HW Hardware-Sync
- VS Virtual-Sync
- E Motor with encoder
- M Multiplexer

### ELECTRIC LINES

- Part detect signal
- Ethernet & Safety
- Encoder electric signal
- Robot connection
- Sensor signal

### MEDIA

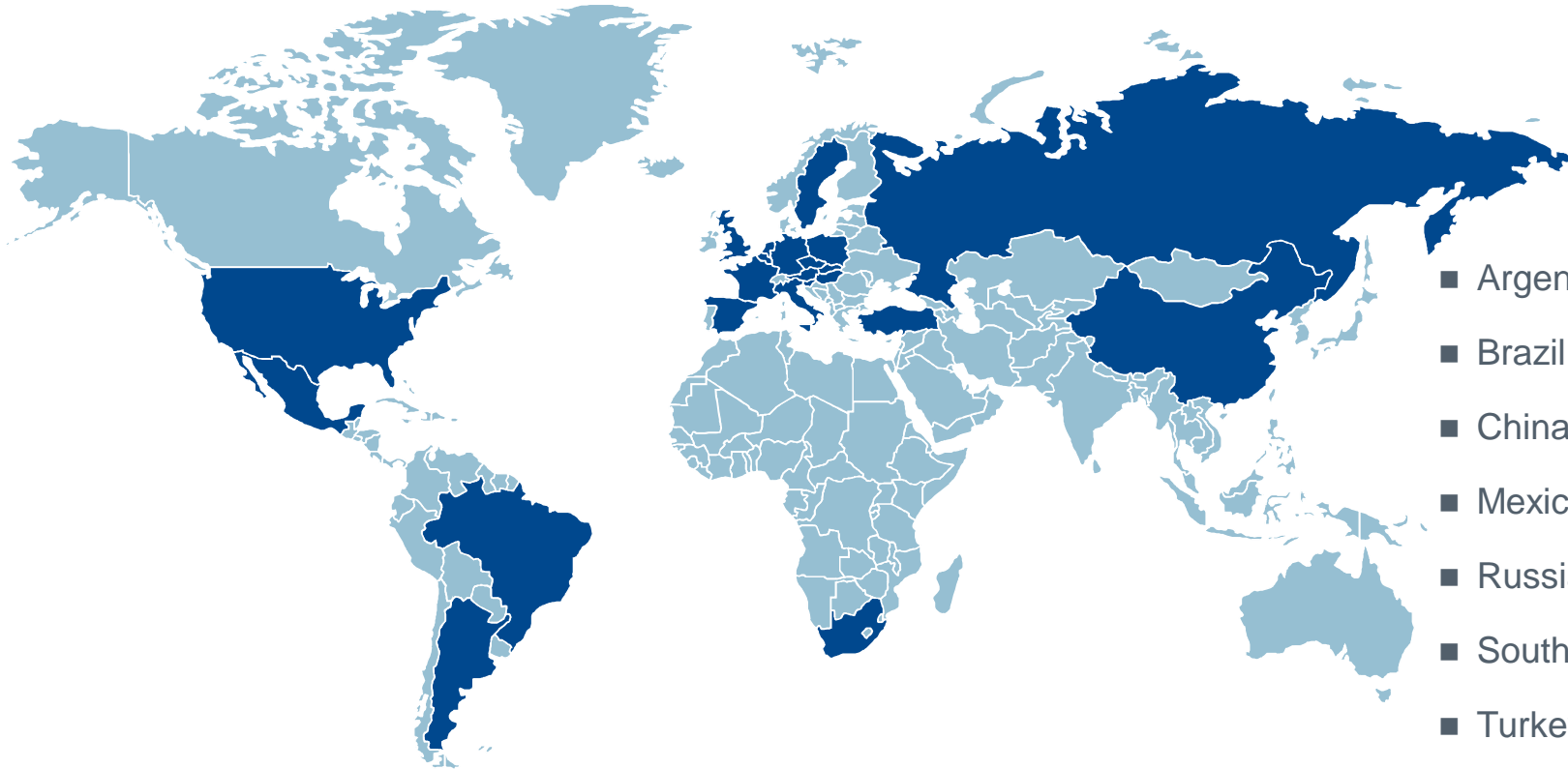
- Fluid
- ..... Compressed air
- ⊙ Compressed air source

# EcoSupply P Reference

Installed systems: 553



- Austria 9
- Belgium 17
- France 21
- Germany 171
- Czech Rep. 2
- Hungary 19
- Italy 21
- Netherland 40
- Poland 43
- Spain 12
- Sweden 22
- UK 13
- Slovakia 6



- Argentina 2
- Brazil 6
- China 36
- Mexico 14
- Russia 6
- South Africa 6
- Turkey 4
- USA 32

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# EcoSupply P

“Subject to change. The information in this presentation contains only general descriptions or performance characteristics, which may vary in different cases. The requested performance characteristics are only binding if they are expressly agreed in the contract.”

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