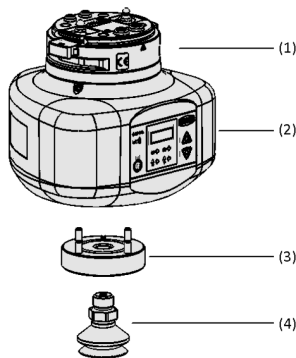


## Electrical Vacuum Generator ECBPi MATCH

Electrical Vacuum Generator ECBPi for End-of-Arm Ecosystem MATCH



Electrical Vacuum Generator ECBPi MATCH



System design Electrical Vacuum Generator ECBPi MATCH



Electrical vacuum generator ECBPi MATCH when handling plastic sheets

### Suitability for industry specific applications

#### Application

- Vacuum generator with gripper for handling airtight and slightly porous workpieces
- Use within the End-of-Arm Ecosystem MATCH in combination with vacuum and mechanical grippers, assisted by digital services (e.g. setup wizard)
- Flexible use in human-robot collaboration (MRK environment) as well as in mobile robotics

#### Design

- Connection suitable for all quick-change modules RMQC of the MATCH platform (1)
- Intuitive operation via buttons and clear display as well as NFC interface for convenient data transfer via smartphone (2)
- Flange for individual gripper connection with G1/4" thread (3)
- Including flat and bellows suction cups (4)

#### Product highlights

- Ready-to-connect handling set for easy assembly and commissioning (plug & work)
- Full compatibility with MATCH platform (suitable quick-change module RMQC for robot type must be ordered separately)
- Wide range of applications due to interchangeable suction cups or gripping systems
- Saving of compressed air hoses due to purely electrical operation
- Integrated ventilation valve for fast, precise placement of the workpiece during handling

 Designation code Electrical Vacuum Generator ECBPi MATCH

# Electrical Vacuum Generator ECBPi MATCH

Electrical Vacuum Generator ECBPi for End-of-Arm Ecosystem MATCH

|       |   |    |   |        |   |       |
|-------|---|----|---|--------|---|-------|
| ECBPi | – | 12 | – | 24V-DC | – | MATCH |
| 1     |   | 2  |   | 3      |   | 4     |

**1 – Abbreviated designation**

| Code  | Version |
|-------|---------|
| ECBPi | ECBPi   |

**2 – Performance class**

| Code | Suction rate in l/min |
|------|-----------------------|
| 12   | 12                    |

**3 – Voltage**

| Code   | Operating voltage |
|--------|-------------------|
| 24V-DC | 24V-DC            |

**4 – Design**

| Code  | Type  |
|-------|-------|
| MATCH | MATCH |

The delivery consists of:

- Electrical vacuum generator ECBPi MATCH
- Suction cup SFF / SPB1
- USB stick with software
- G1/4"-F flange for suction cup connection

Suitable quick-change module RMQC must be ordered separately.

## Ordering data Electrical Vacuum Generator ECBPi MATCH

| Type                  | Part no.       |
|-----------------------|----------------|
| ECBPi 12 24V-DC MATCH | 10.03.01.00626 |

## Ordering data Accessories Electrical Vacuum Generator ECBPi MATCH

| Accessories              | Part no.                             |
|--------------------------|--------------------------------------|
| Quick change module RMQC | RMQC 50 URe DIO WB-M8-8 NPN MATCH    |
| Quick change module RMQC | RMQC 50 HANWHA DIO WB-M8-8 NPN MATCH |
| Quick change module RMQC | RMQC 50 DOOSAN DIO WS-M8-8 PNP MATCH |
| Quick change module RMQC | RMQC 50 TM DIO WS-M8-8 NPN MATCH     |
| Quick change module RMQC | RMQC 50 FANUC DIO WB-M8-8 PNP MATCH  |
| Quick change module RMQC | RMQC 50 URe RS-485 WB-M8-8 MATCH     |
| Quick change module RMQC | RMQC 50 ABB DIO 2xM8-3/4 PNP MATCH   |
| Quick change module RMQC | RMQC 50 ABB IOL 2xM8-3/4 MATCH       |
| Quick change module RMQC | RMQC 50 ABB IOL LED 2xM8-3/4 MATCH   |
| Quick change module RMQC | RMQC 31.5 ABB IOL M12-12 MATCH       |
| Quick change module RMQC | RMQC 31.5 ABB IOL LED M12-12 MATCH   |
| Quick change module RMQC | RMQC 31.5 ABB DIO M12-12 PNP MATCH   |
| Quick change module RMQC | RMQC 31.5 ABB IOL M12-12 MATCH       |
| Quick change module RMQC | RMQC 31.5 ABB IOL LED M12-12 MATCH   |

| Type            | Part no.                 |
|-----------------|--------------------------|
| Storage station | STATION 150x110x22 MATCH |
|                 | 10.08.09.00013           |

| Spare parts                     | Part no.             |
|---------------------------------|----------------------|
| Gripper, 120 x 120, suction cup | RFBP 120 120 BA SPB2 |
| Gripper, 120 x 120, foam        | RFBP 120 120 BA O10  |
| Gripper, 100 x 58, suction cup  | RFBP 100 58 BA SPB2  |
| Gripper, 100 x 58, foam         | RFBP 100 58 BA O10   |
| Gripper, 50 x 50, foam          | RFBP 50 50 BA SPB2   |
| Flange extension by 50 mm       | VEE-FE 25.4x81.5     |
| Flange extension by 100 mm      | VEE-FE 25.4x131.5    |
| Flange extension by 150 mm      | VEE-FE 25.4x181.5    |

## Electrical Vacuum Generator ECBPi MATCH

Electrical Vacuum Generator ECBPi for End-of-Arm Ecosystem MATCH

### Technical data Electrical Vacuum Generator ECBPi MATCH

| Type                     | Suction rate (max.)<br>[l/min] | Max. vacuum<br>[mbar] | Rated power [W] | Voltage   | Rated current [A] | Operating<br>temperature | Weight [g] |
|--------------------------|--------------------------------|-----------------------|-----------------|-----------|-------------------|--------------------------|------------|
| ECBPI 12 24V-DC<br>MATCH | 12                             | 750                   | 13              | 24 V - DC | 0.6               | 5 ... 45 °C              | 1,135      |

### Design data Electrical Vacuum Generator ECBPi MATCH

| Type                     | D [mm] | D1 [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | X1 [mm] |
|--------------------------|--------|---------|--------|---------|---------|---------|---------|
| ECBPI 12 24V-DC<br>MATCH | 151.5  | 86.5    | 143    | 155.5   | 114.0   | 18.00   | 43      |