

Pneumatic Vacuum Generators RECBi MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

Suitability for industry specific applications

Application

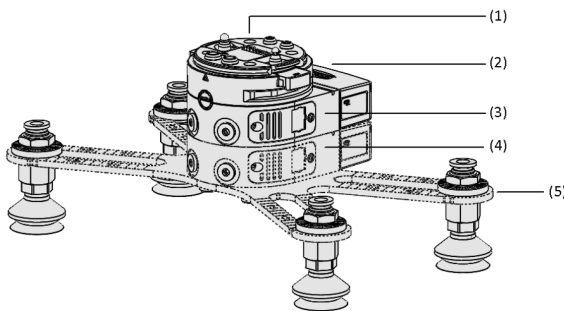
- Handling of porous and flexible workpieces such as filled cardboard boxes in palletizing processes
- Use in logistics processes (pick & pack) when handling packaging, bags or cardboard packaging
- Use in fully automated processes with low cycle and evacuation times
- Use in interlinked processes due to intelligent two-zone technology
- Direct vacuum generation end-of-arm for small and large-area grippers



Pneumatic Vacuum Generators RECBi MATCH

Design

- Connection suitable for all quick-change modules RMQC of the MATCH platform (1)
- Intuitive LED display and NFC interface (2) for convenient data transfer via smartphone
- Integrated eco nozzle technology (3) with easily accessible nozzle and valve technology
- Two separate vacuum circuits possible by combining two ejector modules (4)
- Predefined assemblies with different grippers (5) or universal connection plate



System design Pneumatic Vacuum Generators RECBi MATCH



Pneumatic vacuum generator RECBi MATCH when handling carton packages

Product highlights

- Pneumatic vacuum generator with quick-change unit for high application diversity and flexible gripper design
- High suction rate directly at the gripper increases process reliability and reduces cycle times
- Energy efficient vacuum generation through eco nozzle technology and automatic air saving reduces operating costs by up to 60 %
- Simple and time saving design of two separate vacuum circuits possible
- Software supported commissioning for fast and uncomplicated use

✓ Designation code Pneumatic Vacuum Generators RECBi MATCH

Pneumatic Vacuum Generators RECBI MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

RECBI	–	24V-DC	–	NO	–	PXR-I	–	1C	–	MATCH
1		2		3		4		5		6

1 – Abbreviated designation

Code	Version
RECBI	RECBI

2 – Voltage

Code	Voltage
24V-DC	Direct voltage

3 – Idle position suction valve

Code	Type
NC	Normally closed
NO	Normally open

4 – Gripper

Code	Type
PXR-I	PXR (I shape)
PXR-X	PXR (X shape)
PXT-1	PXT (1 beam)
PXT-2	PXT (2 beams)
UNI	Universal connection

5 – Vacuum channels

Code	Type
1C	1 vacuum channel
2C	2 vacuum channels

6 – Design

Code	Type
MATCH	MATCH

The pneumatic vacuum generator RECBI MATCH is available in the following versions:

- With mounted PXR gripper
- With connection flange for modular gripper system PXT
- With mounted universal connection plate

Ordering data Pneumatic Vacuum Generators RECBI MATCH

Type	Part no.
RECBI 24V-DC NC PXR-I 1C MATCH	10.02.03.00377
RECBI 24V-DC NO PXR-I 1C MATCH	10.02.03.00375
RECBI 24V-DC NC PXR-I 2C MATCH	10.02.03.00408
RECBI 24V-DC NO PXR-I 2C MATCH	10.02.03.00379
RECBI 24V-DC NC PXR-X 1C MATCH	10.02.03.00378
RECBI 24V-DC NO PXR-X 1C MATCH	10.02.03.00376
RECBI 24V-DC NC PXR-X 2C MATCH	10.02.03.00409
RECBI 24V-DC NO PXR-X 2C MATCH	10.02.03.00407
Type	Part no.
RECBI 24V-DC NC PXT-1 1C MATCH	10.02.03.00394
RECBI 24V-DC NO PXT-1 1C MATCH	10.02.03.00397
RECBI 24V-DC NC PXT-2 1C MATCH	10.02.03.00395
RECBI 24V-DC NO PXT-2 1C MATCH	10.02.03.00398
RECBI 24V-DC NC PXT-2 2C MATCH	10.02.03.00400
RECBI 24V-DC NO PXT-2 2C MATCH	10.02.03.00405
Type	Part no.
RECBI 24V-DC NC UNI 1C MATCH	10.02.03.00401
RECBI 24V-DC NO UNI 1C MATCH	10.02.03.00402
RECBI 24V-DC NC UNI 2C MATCH	10.02.03.00403
RECBI 24V-DC NO UNI 2C MATCH	10.02.03.00404

Pneumatic Vacuum Generators RECBi MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

Ordering data Spare parts Pneumatic Vacuum Generators RECBi MATCH

Spare parts			Part no.
Set of spare parts	ERS RECB SD		10.02.03.00422
Set of spare parts	ERS SEP-13 6xRUE-KLAP		10.02.01.01449
Ejector module	SEP HV 2 14 13 S		10.02.01.01493

Type	Spare parts		Part no.
PXR (I-shape)	Bellows suction cups (round)	SPB1 30 ED-65 G1/4-AG	10.01.06.04530
PXR (X-shape)	Bellows suction cups (round)	SPB1 30 ED-65 G1/4-AG	10.01.06.04530
PXT (1-crossbeam)	O-ring	O-RING 10.3x2.4 NBR-70	10.07.08.00090

Ordering data Accessories Pneumatic Vacuum Generators RECBi MATCH

Type	PXR (I-shape)	PXR (X-shape)	PXT (2-crossbeam)	PXT (1-crossbeam)	Universal connector
RECB MATCH	10.02.03.00408	10.02.03.00409	10.02.03.00398	10.02.03.00397	10.02.03.00403

Accessories		Part no.
Building group Solenoid valve	VENT-BGR EMVP-5 3/2 NC 24V-DC	10.08.09.00032
Storage station	STATION 150x110x22 MATCH	10.08.09.00013
Silencer (cube-shaped-inst.)	SD 66.7x24.4x24.5 RECBi	10.02.03.00441

Pneumatic Vacuum Generators RECBi MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

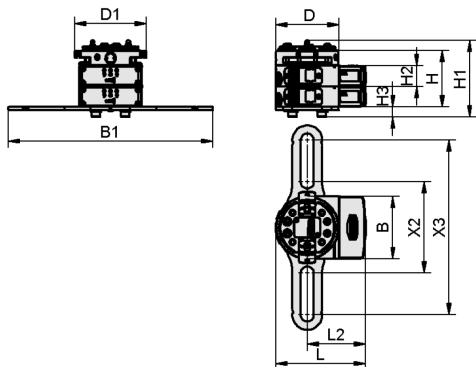
Technical data Pneumatic Vacuum Generators RECBi MATCH

Type	with	Voltage [V]	Suction rate (max.) [l/min]	Max. vacuum [mbar]	Control valve	Rated power [W]	Voltage	Rated current [A]	Operating pressure	Operating temperature
RECBi 24V-DC NC PXR-I 1C MATCH	PXR (I-shape)	24 V - DC	52.5	850	Normally closed	1.00	24V - DC	0.0	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXR-I 1C MATCH	PXR (I-shape)	24 V - DC	52.5	850	Normally open	1.51	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC PXR-I 2C MATCH	PXR (I-shape)	24 V - DC	52.5	850	Normally closed	2.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXR-I 2C MATCH	PXR (I-shape)	24 V - DC	52.5	850	Normally open	3.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC PXR-X 1C MATCH	PXR (X-shape)	24 V - DC	52.5	850	Normally closed	1.00	24V - DC	0.0	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXR-X 1C MATCH	PXR (X-shape)	24 V - DC	52.5	850	Normally open	1.51	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC PXR-X 2C MATCH	PXR (X-shape)	24 V - DC	52.5	850	Normally closed	2.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXR-X 2C MATCH	PXR (X-shape)	24 V - DC	52.5	850	Normally open	3.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC PXT-1 1C MATCH	PXT (1 beam)	24 V - DC	52.5	850	Normally closed	1.00	24V - DC	0.0	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXT-1 1C MATCH	PXT (1 beam)	24 V - DC	52.5	850	Normally open	1.51	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC PXT-2 1C MATCH	PXT (2 beam)	24 V - DC	52.5	850	Normally closed	1.00	24V - DC	0.0	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXT-2 1C MATCH	PXT (2 beam)	24 V - DC	52.5	850	Normally open	1.51	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC PXT-2 2C MATCH	PXT (2 beam)	24 V - DC	52.5	850	Normally closed	2.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO PXT-2 2C MATCH	PXT (2 beam)	24 V - DC	52.5	850	Normally open	3.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC UNI 1C MATCH	Universal connection	24 V - DC	52.5	850	Normally closed	1.00	24V - DC	0.0	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO UNI 1C MATCH	Universal connection	24 V - DC	52.5	850	Normally open	1.51	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NC UNI 2C MATCH	Universal connection	24 V - DC	52.5	850	Normally closed	2.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C
RECBi 24V-DC NO UNI 2C MATCH	Universal connection	24 V - DC	52.5	850	Normally open	3.00	24V - DC	0.1	3.00 ... 7.00 bar	0 ... 50 °C

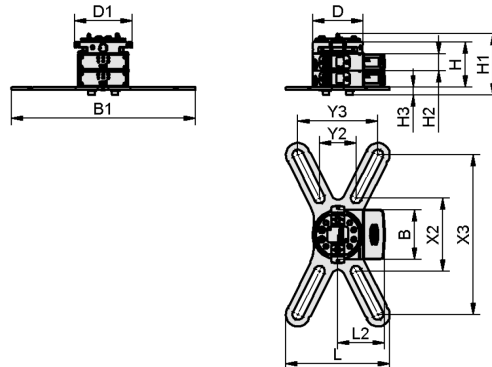
Pneumatic Vacuum Generators RECBi MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

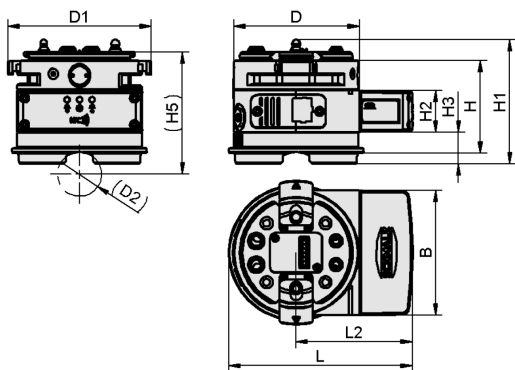
Design data Pneumatic Vacuum Generators RECBi MATCH



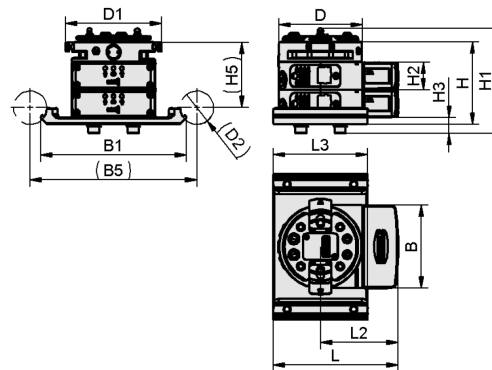
RECB PXR-I MATCH



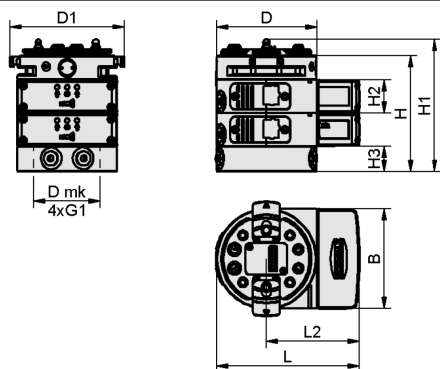
RECB PXR-X MATCH



RECB PXT-1 MATCH



RECB PXT-2 MATCH



RECB UNI MATCH

Pneumatic Vacuum Generators RECBi MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

Design data Pneumatic Vacuum Generators RECBi MATCH

Type	B [mm]	B1 [mm]	B5 [mm]	D [mm]	D1 [mm]	D2 [mm]	Dmk [mm]	G1	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L2 [mm]	L3 [mm]	X2 [mm]	X3 [mm]	Y3 [mm]	Y2 [mm]
RECBi 24V-DC NC PXR-I 1C MATCH	75	246	-	75.5	86.2	-	-	-	43.0	67.5	25	12	-	107.5	70	-	110	210.0	-	-
RECBi 24V-DC NO PXR-I 1C MATCH	75	246	-	75.5	86.2	-	-	-	43.0	67.5	25	12	-	107.5	70	-	110	210.0	-	-
RECBi 24V-DC NC PXR-I 2C MATCH	75	246	-	75.5	86.2	-	-	-	68.0	92.5	25	12	-	107.5	70	-	110	210.0	-	-
RECBi 24V-DC NO PXR-I 2C MATCH	75	246	-	75.5	86.2	-	-	-	68.0	92.5	25	12	-	107.5	70	-	110	210.0	-	-
RECBi 24V-DC NC PXR-X 1C MATCH	75	276	-	75.5	86.2	-	-	-	43.0	67.5	25	12	-	156.0	70	-	110	240.0	120.0	55
RECBi 24V-DC NO PXR-X 1C MATCH	75	276	-	75.5	86.2	-	-	-	43.0	67.5	25	12	-	156.0	70	-	110	240.0	120.0	55
RECBi 24V-DC NC PXR-X 2C MATCH	75	276	-	75.5	86.2	-	-	-	68.0	92.5	25	12	-	156.0	70	-	110	240.0	120.0	55
RECBi 24V-DC NO PXR-X 2C MATCH	75	276	-	75.5	86.2	-	-	-	68.0	92.5	25	12	-	156.0	70	-	110	240.0	120.0	55
RECBi 24V-DC NC PXT-1 1C MATCH	75	-	-	75.5	86.2	26.5	-	-	55.5	74.5	25	19	70	110.5	70	-	-	-	-	-
RECBi 24V-DC NO PXT-1 1C MATCH	75	-	-	75.5	86.2	26.5	-	-	55.5	74.5	25	19	70	110.5	70	-	-	-	-	-
RECBi 24V-DC NC PXT-2 1C MATCH	75	131	150	75.5	86.2	30.0	-	-	49.0	69.5	25	14	34	112.5	70	85.0	-	-	-	-

Pneumatic Vacuum Generators RECBI MATCH

Suction rate 52.5 l/min · Lift capacity up to 25 kg

Type	B [mm]	B1 [mm]	B5 [mm]	D [mm]	D1 [mm]	D2 [mm]	Dmk [mm]	G1	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L2 [mm]	L3 [mm]	X2 [mm]	X3 [mm]	Y3 [mm]	Y2 [mm]
RECBI 24V-DC NO PXT-2 1C MATCH	75	131	150	75.5	86.2	30.0	-	-	49.0	69.5	25	14	34	112.5	70	85.0	-	-	-	-
RECBI 24V-DC NC PXT-2 2C MATCH	75	131	150	75.5	86.2	30.0	-	-	74.0	94.5	25	14	59	112.5	70	85.0	-	-	-	-
RECBI 24V-DC NO PXT-2 2C MATCH	75	131	150	75.5	86.2	30.0	-	-	74.0	94.5	25	14	59	112.5	70	85.0	-	-	-	-
RECBI 24V-DC NC UNI 1C MATCH	75	-	-	75.5	86.2	-	50	M6-F	62.0	74.5	25	19	-	107.5	70	-	-	-	-	-
RECBI 24V-DC NO UNI 1C MATCH	75	-	-	75.5	86.2	-	50	M6-F	62.0	74.5	25	19	-	107.5	70	-	-	-	-	-
RECBI 24V-DC NC UNI 2C MATCH	75	-	-	75.5	86.2	-	50	M6-F	87.0	99.5	25	19	-	107.5	70	-	-	-	-	-
RECBI 24V-DC NO UNI 2C MATCH	75	-	-	75.5	86.2	-	50	M6-F	87.0	99.5	25	19	-	107.5	70	-	-	-	-	-