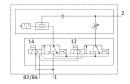
Manifold sub-base for vacuum VABX-A-P-VE-BH-VB010H Part number: 8213837

FESTO





Data sheet

Feature	Value
Length	150.8 mm
Nominal size, Laval nozzle	0.95 mm
Grid dimension	12.55 mm
Valve size	10 mm
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Silencer design	Open
Type of actuation	Electric
Reverse polarity protection	yes
Sealing principle	Soft
Mounting position	optional
Ejector characteristic	High vacuum
Adjustment component	Slotted head screw
Integrated function	Electric ejector pulse Electric ejector pulse valve Flow control Electric on-off valve Check valve Open silencer With electrical interlinking module
Max. number of valve positions	1
Type of piloting	Pilot actuated
Pilot air supply	Internal
Valve function	2x3/2-way, monostable, closed
Max. number of valve coils	2
Compatible with	Valve terminal VTUX-A-P
Display type	LED
Signal status display	Yellow LED, valve control
Operating pressure for max. suction flow rate	0.4 MPa 4 bar 58 psi
Operating pressure	0.2 MPa0.7 MPa 2 bar7 bar

3.8 bar 55.1 psi	Feature	Value
Max. vacuum O.093 MPa Nominal operating pressure O.6 MPa O.7 MPa. D.7 MPa D.	Operating pressure for max. vacuum	1-
Mourinal operating pressure 0.6 MPa		
Nominal operating pressure 6 bar 87 psi 9 bar 87 psi 9 psi 9 psi 9 psi 12 bar. 7 bar 13 bar. 8 bar. 8 bar. 14 bar. 8 bar. 8 bar. 15 bar. 8 bar. 8 bar. 16 bar. 8 bar. 8 bar. 16 bar. 8 bar. 8 bar. 17 bar. 8 bar. 8 bar. 18 bar. 8 bar. 18 bar. 8 bar. 8	May vacuum	
Shar SP pai		
Pilot pressure D. A. MPa_O. 7 MPa 2 bar. 7 bar	Nominal operating pressure	
2 bar/ bar		87 psi
Max. suction flow rate against atmosphere Air supply time at nominal operating pressure Dimensions (W. K. x. H) Dimensions (W. x. L. x. H) Dimensions (W. x.	Pilot pressure	
Air supply time at nominal operating pressure 0.39 s	AA	
Dimensions (W x L x H) Intern power consumption nominal operating voltage Note voltage drop Note regarding operating voltage SELY/PELV Mad power supplies required Note voltage drop Note voltage drop Nominal operating voltage DC 24 V Permissible voltage fluctuations 4/-10 % Approval K.C. Mark K.C. EAW CE mark (see declaration of conformity) In Clustraticions for EMC UKCA marking (see declaration of conformity) IN Clustraticions for EMC Operating medium Compressed air to 150 8573-1:2010 [7:4:4] Seter oil x O. Img/m³, according to 150 8573-1:2010 [7:4:4] Seter oil x O. Img/m³, according to 150 8573-1:2010 [7:4:4] Storage temperature Alas (PWIS) conformity Volta (2.3 Moderate corrosion stress Labs (PWIS) conformity Storage temperature -20 °C70 °C Relative air humidity 5 - 59% Degree of protection Plot medium Compressed air to 150 8573-1:2010 [7:4:4] Ambient temperature -5 **C50 °C Nominal altitude of use Max. installation height 7 you of mounting Tie rod Product weight Electrical control Multi-pin plug Tie rod Preumatic connection, port 2 OS 4 OS 5 OS 8 OS 9		·
Intern power consumption nominal operating voltage Note regarding operating voltage SELV/PELV fixed power supplies required Note voltage drop Nominal operating voltage DC 24 V Permissible voltage fluctuations +/-10 % Approval RCM trademark KC mark CE mark (see declaration of conformity) To EUEMC Directive In accordance with EU RoHS Directive In Compressed air to 150 8573-1:2010 [7:4:4] Ester oil < 0.1mg/m³, according to 150 8573-1:2010 [7:4:4] Ester oil < 0.1mg/m³, according to 150 8573-1:2010 [7:4:4] Lubricated operation not possible Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L 20 °C 70 °C Relative air humility Degree of protection IP65 Pilot medium Compressed air to 150 8573-1:2010 [7:4:-] Ambient temperature 3 °C 70 °C Relative air humility Degree of protection IP65 Rominal altitude of use 4 - 2000 m NHN Max. Installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Tie rod QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 74 mm For tubing outside diameter of 74 mm For tubing outside diameter of 75 16 °C For tubing outside diameter of 76 mm For tubing outside diameter of 74 mm For tubing outside diameter of 74 mm For tubing outside diameter of 78 mm For tubing outside diame		
Note regarding operating voltage Nominal operating voltage DC 2 A V Permissible voltage fluctuations 4/1 10 % Approval KC mark KC EAW CE mark (see declaration of conformity) To EU BMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive In accordance with EU ROHS Directive In COMPressed air to 150 8873-1:2010 [7:4:4] Set on John Service (1 on John Service) Note on operating and pilot medium Compressed air to 150 8873-1:2010 [7:4:4] Set oil < 0.1mg/m², according to 150 8573-1:2010 [:2] Lubricated operation not possible Labs (PWIS) conformity VDMA2A364-81/B2-L Storage temperature 2-0 °C., 70 °C Relative air humidity Segree of protection Possible medium Compressed air to 150 8873-1:2010 [7:4:-] Ambient temperature -5 °C., 50 °C Nominal altitude of use -2000 m NHN Multi-pin plug The rod Product weight Freumatic connection, port 2 OS-4 OS-6 OS-6 OS-6 OS-6 OS-6 OS-732 OS-1/4 OS-1/6 For tubing outside diameter of 4 mm For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 6 mm For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 8 mm For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 8 mm For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 8 mm For tubing outside diameter of 71/2 For tubing outside diameter of 71/2 For tubing outside diameter of 8 mm For tubing outside diameter of 71/2 For tubing outside diameter of 8 mm For tubing	·	
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Permissible voltage fluctuations Approval Approv		Note voltage drop
Approval KC mark Ko declaration of conformity) To UK instructions for EMC Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Ester oil < 0.1 mg/m³, according to ISO 8573-1:2010 [-:-:2] Lubricated operation not possible Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 2-20 °C70 °C Relative air humidity 5 - 59% Degree of protection IP65 Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature 3-5 °C50 °C Nominal altitude of use Max. installation height 2000 m Product weight 6 8 g Electrical control Multi-pin plug Tier od Pneumatic connection, port 2 Q5-6 Q5-8 Q5-9/32 Q5-1/4 Q5-9/16 For tubing outside diameter of 6 mm For tubing outside diameter of 6 mm For tubing outside diameter of 1/4 mm For tubin	Nominal operating voltage DC	24 V
KC mark KC mark KC mark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC Operating medium Compressed air to ISO 8573-1:2010 [7-4:4] Note on operating and pilot medium Ester oil < 0.1 mg/m², according to ISO 8573-1:2010 [7-4:4] Labs (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 2-20 °C70 °C Relative air humidity 5 - 95% Degree of protection PR65 Pulot medium Compressed air to ISO 8573-1:2010 [7-4:-] Ambient temperature 5-5 °C50 °C Nominal altitude of use 4 = 2000 m NHN Max. installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Tie rod Preumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 5/2" For tubing outside diameter of 5/2" For tubing outside diameter of 5/16" Note on materials Rolls-compliant Material sub-base Material seels Material receiver nozzle Material seels Material receiver nozzle Material seeve Wrought aluminium alloy Material sleeve	Permissible voltage fluctuations	+/- 10 %
To EU EMC Directive in accordance with EU ROHS Directive UKCA marking (see declaration of conformity) To EU in accordance with EU ROHS Directive To UK instructions for See MC Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Ester oil < 0.1 mg/m³, according to ISO 8573-1:2010 [:-2] Lubricated operation not possible Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 2.0 °C, 70 °C Relative air humidity 5 - 95% Degree of protection PI65 Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature -5 °C, 50 °C Nominal altitude of use Max. installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Tie rod Preumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/3/2 QS-1/4 QS-5/1/4 QS-5/1/4 QS-5/1/4 QS-5/1/4 QS-5/1/4 QS-5/1/6 For tubing outside diameter of 4 mm For tubing outside diameter of 5/32* For tubing outside diameter of 5/32* For tubing outside diameter of 5/16* Note on materials ROHS-compliant Material sub-base PA-reinforced Material scover Material	Approval	RCM trademark
in accordance with EU RoHS Directive WKCA marking (see declaration of conformity) To UK instructions for EMC Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [-::2] Lubricated operation not possible Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 2.0 °C70 °C Reatate air fundity 5 - 95% Degree of protection Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature 5 °C50 °C Nominal altitude of use 4 - 2000 m NHN Max. installation height 5 °S Electrical control Multi-pin plug Tie rod Tipe of mounting Preduct weight 65 g 65-4 05-6 05-8 05-5/16 For tubing outside diameter of 5/32* For tubing outside diameter of 5/32* For tubing outside diameter of 5/32* For tubing outside diameter of 5/16* Note on materials RoHS-compliant Material tover Material tover Material tover Material cover Material cover Material cover Material cover Material cover Material cover Material seeve Wrought aluminium alloy Material sleeve Wrought aluminium alloy	KC mark	KC-EMV
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Lubricated operation not possible 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -20 °C70 °C Relative air humidity 5 - 95% Degree of protection IP65 Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature -5 °C50 °C Nominal altitude of use Max. installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Tier od Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 8 mm For tubing outside diameter of 1/4* For tubing outside diameter of 1/4* For tubing outside diameter of 5/12* For tubing outside diameter of 5/12* For tubing outside diameter of 5/16* Note on materials Material sub-base PA-reinforced Material receiver nozzle Material fouced Material receiver nozzle Material sleeve Mrought aluminium alloy	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -20 °C70 °C Relative air humidity 5 - 95% Degree of protection IP65 Pllot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature -5 °C50 °C Nominal altitude of use <= 2000 m NHN Max. installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Tipe rod Pheumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 15/32" For tubing outside diameter of 5/32" For tubing outside diameter of 5/32" For tubing outside diameter of 5/16" Note on materials Material sub-base Material seals HNBR Material receiver nozzle Material lousing Material sleeve Wrought aluminium alloy	Note on operating and pilot medium	
Storage temperature -20 °C70 °C Relative air humidity -5 -95% Degree of protection	Corrosion resistance class CRC	2 - Moderate corrosion stress
Relative air humidity Degree of protection Plot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature -5 °C50 °C Nominal altitude of use <= 2000 m NHN Max. installation height 2000 m Product weight Electrical control Multi-pin plug Tie rod Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 6 mm For tubing outside diameter of 1/4" For tubing outside diameter of 1/4" For tubing outside diameter of 5/32" For tubing outside diameter of 5/16" Note on materials Material sub-base Material sub-base Material seals Material receiver nozzle Material focced Material sleeve Wrought aluminium alloy Material sleeve Wrought aluminium alloy	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Degree of protection IP65 Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature -5 °C50 °C Nominal altitude of use <= 2000 m NHN Max. installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Type of mounting Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 5/32" For tubing outside diameter of 5/12" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base Material cover Material seals Material receiver nozzle Material lousing Material sleeve Wrought aluminium alloy	Storage temperature	-20 °C70 °C
Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature -5 °C50 °C Nominal altitude of use <= 2000 m NHN Max. installation height 2000 m Product weight 65 g Electrical control Multi-pin plug Type of mounting Tie rod QS-4 QS-6 QS-8 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 75/32" For tubing outside diameter of 1/4" For tubing outside diameter of 1/4" For tubing outside diameter of 1/6" Note on materials RoHS-compliant Material sub-base Material cover Material seals Material receiver nozzle Material lousing Material sleeve Wrought aluminium alloy Mrought aluminium alloy	Relative air humidity	5 - 95%
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Nominal altitude of use <= 2000 m NHN Max. installation height Product weight Electrical control Multi-pin plug Tie rod Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 8 mm For tubing outside diameter of 5/32" For tubing outside diameter of 5/36" Note on materials Material sub-base Material cover Material seals Material receiver nozzle Material lousing Material sleeve Wrought aluminium alloy Material sleeve Wrought aluminium alloy	Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:-]
Max. installation height Product weight Electrical control Multi-pin plug Tie rod Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 5/32" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base PA-reinforced Material seals HNBR NBR Material receiver nozzle POM Material sleeve Wrought aluminium alloy	Ambient temperature	-5 °C50 °C
Product weight Electrical control Multi-pin plug Tie rod QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 8 mm For tubing outside diameter of 1/4" For tubing outside diameter of 5/32" For tubing outside diameter of 5/36" For tubing outside diameter of 5/32 For tubing outside diameter of 5/32 For tubing outside diameter of 5/36" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover PA-reinforced Material receiver nozzle Material receiver nozzle Material housing Material sleeve Wrought aluminium alloy	Nominal altitude of use	<= 2000 m NHN
Electrical control Type of mounting Tie rod QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 8 mm For tubing outside diameter of 1/4" For tubing outside diameter of 1/4" For tubing outside diameter of 5/32" For tubing outside diameter of 5/6" Note on materials RoHS-compliant Material sub-base PA-reinforced Material seals HNBR NBR Material receiver nozzle Material housing Material sleeve Wrought aluminium alloy	Max. installation height	2000 m
Tie rod Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 5/32" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover Material seals HNBR NBR NBR Material receiver nozzle POM Material housing PA-reinforced Material seeve Wrought aluminium alloy	Product weight	65 g
Pneumatic connection, port 2 QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 5/32" For tubing outside diameter of 5/32" For tubing outside diameter of 5/14" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover PA-reinforced Material seals HNBR NBR NBR Material receiver nozzle POM Material housing PA-reinforced Material sleeve Wrought aluminium alloy	Electrical control	Multi-pin plug
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QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 8 mm For tubing outside diameter of 5/32" For tubing outside diameter of 1/4" For tubing outside diameter of 5/36" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover Material seals HNBR NBR Material receiver nozzle POM Material housing PA-reinforced Material sleeve Wrought aluminium alloy		
QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 8 mm For tubing outside diameter of 5/32" For tubing outside diameter of 1/4" For tubing outside diameter of 1/4" For tubing outside diameter of 1/4" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover PA-reinforced HNBR NBR NBR Material receiver nozzle POM Material housing PA-reinforced Material sleeve Wrought aluminium alloy		
For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 8 mm For tubing outside diameter of 5/32" For tubing outside diameter of 1/4" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover PA-reinforced HNBR NBR NBR Material receiver nozzle POM Material housing Material sleeve Mrought aluminium alloy		
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For tubing outside diameter of 1/4" For tubing outside diameter of 5/16" Note on materials RoHS-compliant Material sub-base PA-reinforced Material cover Material seals HNBR NBR NBR Material receiver nozzle POM Material housing PA-reinforced Wrought aluminium alloy		
For tubing outside diameter of 5/16" Note on materials Material sub-base PA-reinforced Material cover Material seals HNBR NBR NBR Material receiver nozzle Material housing Material sleeve For tubing outside diameter of 5/16" RoHS-compliant PA-reinforced HNBR NBR WBR Waterial seals Wrought aluminium alloy		
Material sub-base PA-reinforced Material cover PA-reinforced Material seals HNBR NBR Material receiver nozzle POM Material housing PA-reinforced Material sleeve Wrought aluminium alloy		
Material cover Material seals HNBR NBR Material receiver nozzle POM Material housing PA-reinforced Wrought aluminium alloy	Note on materials	RoHS-compliant
Material seals HNBR NBR Material receiver nozzle POM Material housing PA-reinforced Material sleeve Wrought aluminium alloy	Material sub-base	PA-reinforced
NBR Material receiver nozzle POM Material housing PA-reinforced Material sleeve Wrought aluminium alloy	Material cover	PA-reinforced
Material housing PA-reinforced Material sleeve Wrought aluminium alloy	Material seals	
Material sleeve Wrought aluminium alloy	Material receiver nozzle	POM
,	Material housing	PA-reinforced
Material clip High-alloy stainless steel	Material sleeve	Wrought aluminium alloy
	Material clip	High-alloy stainless steel

Feature	Value
Material nut	High-alloy stainless steel
Material o-ring	HNBR NBR
Material adjusting screw	PA-reinforced
Material silencer	PP PU foam
Material screws	High-alloy stainless steel
Material transmitter nozzle	Wrought aluminium alloy