Pushbutton valve VHEF-PTC-B32-N14 Part number: 5299725





Data sheet

Type of actuation Manual Construction width 20 mm Standard nominal flow rate (standardised to DIN 1343) 870 l/min pneumatic working port 1/4 NPT Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Design Poppet seat 6 mm Exhaust-air function With flow control option Instructions on use Actuate manually only Sealing principle Soft Mounting position optional Manual override Detenting Type of piloting Pilot actuated Internal Flow direction Reversible Iap Zero overlap Pilot pressure 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 0.5 Hz Explosion protection Zone 2 (ATEX) Corresion resistance class CRC 1-tow corresion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Feature	Value
Construction width Standard nominal flow rate (standardised to DIN 1343) Poppet seat So flow members and standard seat of mm With flow control option Instructions on use Sealing principle Soft Mounting position Mounting position Mounting position Mounting position Mounting position Pilot actuated Pilot actuated Pilot are supply Internal Flow direction Reversible Iap Zero overlap O.35 MPa 1 MPa 3.5 bar 10 bar 3.5 bar 10 bar 3.5 bar 10 bar 3.75 psi 145 psi Max. switching frequency 0.5 Hz Explosion protection Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Valve function	3/2 bistable
Standard nominal flow rate (standardised to DIN 1343) pneumatic working port 1/4 NPT Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Design Poppet seat 6 mm Exhaust-air function With flow control option Instructions on use Sealing principle Soft Mounting position Mounting position Manual override Type of piloting Pilot air supply Internal Flow direction Reversible Jap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zon	Type of actuation	Manual
pneumatic working port 1/4 NPT	Construction width	20 mm
Operating pressure Operating pressure Ossign Poppet seat Nominal size Exhaust-air function Instructions on use Actuate manually only Sealing principle Soft Mounting position Manual override Detenting Pilot actuated Pilot actuated Pilot pressure Ossign Ossign Max. switching frequency Explosion protection Corrosion preating and pilot medium Note on operating and pilot medium Corrosion resistance class CRC LABS (PWIS) conformity Media temperature Osmit flow control option With flow control option With flow control option Actuate manually only Soft Open tangen and policy Ossign Ossign Ossign Ossign Actuate manually only Soft Oster Actuate manually only Soft Oster Actuate manually only Soft Actuate manually only Actuate manually only Actuate manuall	Standard nominal flow rate (standardised to DIN 1343)	870 l/min
3.5 bar10 bar Design Poppet seat Nominal size 6 mm Exhaust-air function With flow control option Instructions on use Actuate manually only Sealing principle Soft Mounting position optional Manual override Detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible Iap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 0.5 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress Media temperature 100 °C60 °C Mith flow control option With flow control option Mith flow control option With flow control option Instruction option With flow control option With flow control option Instruction option Instruction option With flow control option Instruction opt	pneumatic working port	1/4 NPT
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Exhaust-air function Instructions on use Actuate manually only Sealing principle Soft Mounting position Optional Manual override Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible Iap Zero overlap Pilot pressure O.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress Well at the manually only Actuate manually only Soft Options Actuate manually only Soft Options Options Actuate manually only Soft Options Options Options Care actuated Options O	Design	Poppet seat
Actuate manually only Sealing principle Soft Mounting position Manual override Type of piloting Pilot actuated Pilot actuated Pilot acruated Pilot are overlap Pilot pressure O.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Cone 1 (Description of the principle of	Nominal size	6 mm
Sealing principle Soft Mounting position Manual override Detenting Type of piloting Pilot actuated Pilot air supply Internal Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Exhaust-air function	With flow control option
Mounting position optional Manual override Detenting Type of piloting Pilot actuated Pilot actuated Pilot air supply Internal Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 0.5 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7::-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress VDMA24364-B1/B2-L Media temperature 100 CC60 °C	Instructions on use	Actuate manually only
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Pilot actuated Pilot air supply Pilot gressure Pilot pressure O.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Pilot preceding frequency O.5 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Poperating medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Mounting position	optional
Pilot air supply Flow direction Reversible Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 0.5 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Cone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7::-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Manual override	Detenting
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3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 0.5 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	lap	Zero overlap
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Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Max. switching frequency	0.5 Hz
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Explosion protection	Zone 2 (ATEX) Zone 21 (ATEX)
always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C	Note on operating and pilot medium	
Media temperature -10 °C60 °C	Corrosion resistance class CRC	1 - Low corrosion stress
	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -10 °C60 °C	Media temperature	-10 °C60 °C
	Ambient temperature	-10 °C60 °C

Feature	Value
Actuating force	20 N
Unlocking force	25 N
Product weight	161 g
Type of mounting	Either: Front panel mounting With through-hole
Pneumatic connection, port 1	1/4 NPT
Pneumatic connection, port 2	1/4 NPT
Pneumatic connection, port 3	1/4 NPT
Note on materials	RoHS-compliant
Material cover	PA-reinforced
Material seals	NBR
Material housing	Anodised wrought aluminium alloy