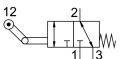
## Roller lever valve VMEF-KT-M32-M-G14 Part number: 8047103



## **Data sheet**

Width   20 mm     Standard nominal flow rate   870 l/min     Pneumatic working port   G1/4     Operating pressure   -0.95 MPa 1 MPa     Structural design   One-way roller lever     Plate seat   Plate seat     Reset method   Mechanical spring     Max. stroke limit (hard)   11 mm     Nominal width   6 mm     Type code   VMEF     Application note   Risk of pinching     Sealing principle   Soft     Mounting position   Any     Type of control   Direct     Flow direction   Reversible     Symbol   00991348     Lap   Zero overlap     Max. switching frequency   3 Hz     Zan angle   30 deg     Explosion prevention and protection   Corner (ATEX)     Zone 21 (ATEX)   Zone 21 (ATEX)	Feature	Value
Width   20 mm     Standard nominal flow rate   870 l/min     Pneumatic working port   G1/4     Operating pressure   -0.095 MPa 10 MPa     Operating pressure   -0.95 bar 10 bar     Operating pressure   -0.95 bar 10 bar     Structural design   One-way roller lever     Plate seat   Plate seat     Reset method   Mechanical spring     Max. stroke limit (hard)   11 mm     Nominal width   6 mm     Type code   VMEF     Application note   Risk of pinching     Sealing principle   Soft     Mounting position   Any     Type of control   Direct     Flow direction   Reversible     Symbol   00991348     Lap   2ero overlap     Max. switching frequency   3 Hz     Cam angle   30 deg     Explosion prevention and protection   Compressed air as per ISO 8573-1:2010 [7::-]     Operating medium   Compressed air as per ISO 8573-1:2010 [7::-]     Information on operating and pilot media   Operation with oil lubrication possible (required for further use)     Corrosion resistance class (	Valve function	3/2, monostable
Standard nominal flow rate     870 l/min       Pneumatic working port     G1/4       Operating pressure     -0.095 MPa 1 MPa       Operating pressure     -0.95 bar 10 bar       Structural design     One-way roller lever       Plate seat     Plate seat       Reset method     Mechanical spring       Nax. stroke limit (hard)     11 mm       Nominal width     6 mm       Type code     VMEF       Application note     Risk of pinching       Sealing principle     Soft       Mounting position     Any       Type of control     Direct       Flow direction     Reversible       Symbol     00991348       Cap     2004       Max. actuating speed with lateral actuation     0.7 m/s       Max. actuating speed with lateral actuation     0.7 m/s       Max. switching frequency     3 Hz       Carn angle     30 deg       Explosion prevention and protection     Zone 1 (ATEX)       Zone 2 (ATEX)     Zone 2 (ATEX)       Corrosion resistance class (CRC)     1- low corrosion stress       Temperature	Actuation type	Mechanical
Pneumatic working port     G1/4       Operating pressure     -0.095 MPa1 MPa       Operating pressure     -0.95 bar10 bar       Structural design     One-way roller lever Plate seat       Reset method     Mechanical spring       Max. stroke limit (hard)     11 mm       Nominal width     6 mm       Type code     VMEF       Application note     Risk of pinching       Sealing principle     Soft       Mounting position     Any       Type of control     Direct       Flow direction     Reversible       Symbol     00991348       Lap     Zero overlap       Max. stutching frequency     3 Hz       Gar angle     30 deg       Explosion prevention and protection     Corpressed air as per ISO 8573-1:2010 [7:]       Information on operating and pilot media     Operation with oil lubrication possible (required for further use)       Corrosion resistance class (CRC)     1 - Low corrosion stress       Temperature of medium     -10 °C 60 °C       Note on amblent temperature     Information en wear       Acutating force     32.7 N	Width	20 mm
Operating pressure   -0.95 MPa 1 MPa     Operating pressure   -0.95 MPa 10 bar     Structural design   One-way roller lever     Plate seat   Plate seat     Reset method   Mechanical spring     Max. stroke limit (hard)   11 mm     Nominal width   6 mm     Type code   VMEF     Application note   Risk of prinching     Sealing principle   Soft     Mounting position   Any     Type of control   Direct     Flow direction   Reversible     Symbol   00991348     Lap   Zero overlap     Max. switching frequency   3 Hz     Cam angle   30 deg     Explosion prevention and protection   Compressed air as per ISO 8573-1:2010 [7:-:]     Information on operating and pilot media   Operation with oil lubrication possible (required for further use)     Corrosion resistance class (CK2)   1 - low corrosion stress     Temperature of medium   -10 °C 60 °C     Anbient temperature   10 °C 60 °C     Anbient temperature   Influence of heat on wear     Actuating force   32.7 N     Pro	Standard nominal flow rate	870 l/min
Operating pressure-0.95 bar 10 barStructural designOne-way roller lever Plate seatReset methodMechanical springMax. stroke limit (hard)11 mmNominal width6 mmType codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. stuting speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionCome 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) 	Pneumatic working port	G1/4
Structural designOne-way roller lever Plate seatReset methodMechanical springMax. stroke limit (hard)11 mmNominal width6 mmNominal width6 mmType codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of orolDirectFlow directionReversibleSymbol00991348LapZero overlapMax. sutching frequency3 HzCan angle30 degExplosion prevention and protectionCompressed air as per ISO 8573-1:2010[7::-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 · Low corrosion stressTemperature of medium-10 °C 60 °CNote on amblent temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Operating pressure	-0.095 MPa 1 MPa
Plate seatReser methodMechanical springMax. stroke limit (hard)11 mmNominal width6 mmNominal width6 mmApplication noteRisk of pinchingSealing principleSoftMounting positionAnyYope of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. stutating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCan angle30 degExplosion prevention and protectionCompressed air as per ISO 8573-1:2010[7:]Information on operating and pilot mediaOperation with oil ulurication possible (required for further use)Corrosion resistance class (CRC)1-Low corrosion stressTemperature1.0 °C 60 °CAnbient temperature1.0 °C 60 °CAnbient temperature32.7 NProduct weight218 gType of mountingWith through-hole	Operating pressure	-0.95 bar 10 bar
Max. stroke limit (hard)   11 mm     Nominal width   6 mm     Type code   VMEF     Application note   Risk of pinching     Sealing principle   Soft     Mounting position   Any     Type of control   Direct     Flow direction   Reversible     Symbol   00991348     Lap   Zero overlap     Max. actuating speed with lateral actuation   0.7 m/s     Max. astiching frequency   3 Hz     Cam angle   30 deg     Explosion prevention and protection   Compressed air as per ISO 8573-1:2010 [7:-:-]     Operating medium   Compressed air as per ISO 8573-1:2010 [7:-:-]     Information on operating and pilot media   Operation with oil lubrication possible (required for further use)     Corrosion resistance class (CRC)   1 - Low corrosion stress     Temperature of medium   -10 °C 60 °C     Note on ambient temperature   Influence of heat on wear     Actuating force   32.7 N     Product weight   218 g     Type of mounting   With through-hole	Structural design	
Nominal width6 mmType codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol0991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 21	Reset method	Mechanical spring
Type codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:]Information on operating and pilot mediaOperation wearArbite temperature-10 °C 60 °CAmbient temperature10 °C 60 °CAnbient temperature121 8 gYupe of mountingWith through-hole	Max. stroke limit (hard)	11 mm
Application noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionComp 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 · Low corrosion stressTemperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Nominal width	6 mm
Sealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Information on operating and pilot mediaOperation stressTemperature of medium-10 °C 60 °CNote on ambient temperature10 °C 60 °CNote on ambient temperature128 gType of mountingWith through-hole	Type code	VMEF
Mounting positionAnyType of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CNote on ambient temperature-10 °C 60 °CNote on ambient temperature22.7 NProduct weight218 gType of mountingWith through-hole	Application note	Risk of pinching
Type of controlDirectFlow directionReversibleSymbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperature1nfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Sealing principle	Soft
Flow directionReversibleSymbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Mounting position	Any
Symbol00991348LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Type of control	Direct
LapZero overlapMax. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-1]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperature11 filuence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Flow direction	Reversible
Max. actuating speed with lateral actuation0.7 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Symbol	00991348
Max. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Lap	Zero overlap
Cam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Max. actuating speed with lateral actuation	0.7 m/s
Explosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Max. switching frequency	3 Hz
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Cam angle	30 deg
Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Explosion prevention and protection	Zone 2 (ATEX) Zone 21 (ATEX)
Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Operating medium	Compressed air as per ISO 8573-1:2010 [7:-:-]
Temperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Ambient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Corrosion resistance class (CRC)	1 - Low corrosion stress
Note on ambient temperatureInfluence of heat on wearActuating force32.7 NProduct weight218 gType of mountingWith through-hole	Temperature of medium	-10 °C 60 °C
Actuating force32.7 NProduct weight218 gType of mountingWith through-hole	Ambient temperature	-10 °C 60 °C
Product weight 218 g   Type of mounting With through-hole	Note on ambient temperature	Influence of heat on wear
Type of mounting With through-hole	Actuating force	32.7 N
	Product weight	218 g
Pneumatic connection 1 G1/4	Type of mounting	With through-hole
	Pneumatic connection 1	G1/4



**FESTO** 

Feature	Value
Pneumatic connection 2	G1⁄4
Pneumatic connection 3	G1/4
Note on materials	RoHS-compliant
Actuator attachments material	Steel, galvanized
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized