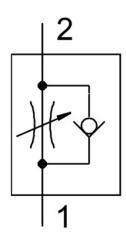
One-way flow control valve GRLA-1/4-QS-8-RS-D Part number: 534339

FESTO





Data sheet

Valve function Flow control non-return function Pneumatic connection 1 QS-8 Pneumatic connection 2 G1/4 Adjusting element Knurled screw Type of mounting Screw-in With external thread Standard nominal flow rate in flow control direction 475 l/min Standard nominal flow rate in non-return direction 325 l/min 500 l/min Operating pressure 0.2 bar 10 bar Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol 00991452 Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 → 0 bar 720 l/min Standard flow rate in non-return direction at 6 → 0 bar 610 l/min 760 l/min Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm	Feature	Value
Pneumatic connection 2 Adjusting element Knurled screw Type of mounting Screw-in With external thread Standard nominal flow rate in flow control direction Standard nominal flow rate in non-return direction Operating pressure 0.2 bar 10 bar Ambient temperature 10°C 60°C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 → 0 bar Standard flow rate in non-return direction at 6 → 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 10°C 40°C Temperature of medium 10°C 60°C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant	Valve function	Flow control non-return function
Adjusting element Type of mounting Screw-in With external thread Standard nominal flow rate in flow control direction 475 l/min Standard nominal flow rate in non-return direction Operating pressure 0.2 bar 10 bar Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 -> 0 bar Standard flow rate in flow control direction 6 -> 0 bar Standard flow rate in non-return direction at 6 -> 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material	Pneumatic connection 1	QS-8
Type of mounting Screw-in With external thread Standard nominal flow rate in flow control direction 475 I/min Standard nominal flow rate in non-return direction Operating pressure O.2 bar 10 bar Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range O.2 bar 10 bar Standard flow rate in flow control direction 6 → 0 bar Standard flow rate in non-return direction at 6 → 0 bar Standard flow rate in non-return direction at 6 → 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight Seals material NBR	Pneumatic connection 2	G ¹ / ₄
With external thread Standard nominal flow rate in flow control direction 475 l/min Standard nominal flow rate in non-return direction Operating pressure 0.2 bar 10 bar Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 → 0 bar Standard flow rate in non-return direction at 6 → 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight NBR	Adjusting element	Knurled screw
Standard nominal flow rate in non-return direction 325 l/min 500 l/min Operating pressure Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 → 0 bar Standard flow rate in flow control direction at 6 → 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant NBR	Type of mounting	- · · · · · · · · · · · · · · · · · ·
Operating pressure Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range O.2 bar 10 bar Standard flow rate in flow control direction 6 -> 0 bar Standard flow rate in non-return direction at 6 -> 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque Forduct weight Seals material NBR	Standard nominal flow rate in flow control direction	475 l/min
Ambient temperature -10 °C 60 °C Maritime classification See certificate Mounting position Any Symbol Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 -> 0 bar Standard flow rate in non-return direction at 6 -> 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials ROHS-compliant Seals material	Standard nominal flow rate in non-return direction	325 l/min 500 l/min
Maritime classificationSee certificateMounting positionAnySymbol00991452Operating pressure for entire temperature range0.2 bar 10 barStandard flow rate in flow control direction 6 → 0 bar720 l/minStandard flow rate in non-return direction at 6 → 0 bar610 l/min 760 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)LABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C 40 °CTemperature of medium-10 °C 60 °CNominal tightening torque5 NmProduct weight50 gNote on materialsRoHS-compliantSeals materialNBR	Operating pressure	0.2 bar 10 bar
Mounting positionAnySymbol00991452Operating pressure for entire temperature range0.2 bar 10 barStandard flow rate in flow control direction 6 → 0 bar720 l/minStandard flow rate in non-return direction at 6 → 0 bar610 l/min 760 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)LABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C 40 °CTemperature of medium-10 °C 60 °CNominal tightening torque5 NmProduct weight50 gNote on materialsRoHS-compliantSeals materialNBR	Ambient temperature	-10 °C 60 °C
Symbol 00991452 Operating pressure for entire temperature range 0.2 bar 10 bar Standard flow rate in flow control direction 6 → 0 bar 720 l/min Standard flow rate in non-return direction at 6 → 0 bar 610 l/min 760 l/min Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material NBR	Maritime classification	See certificate
Operating pressure for entire temperature range Standard flow rate in flow control direction 6 -> 0 bar Standard flow rate in non-return direction at 6 -> 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque Foduct weight Note on materials RoHS-compliant Seals material	Mounting position	Any
Standard flow rate in flow control direction 6 → 0 bar720 l/minStandard flow rate in non-return direction at 6 → 0 bar610 l/min 760 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)LABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C 40 °CTemperature of medium-10 °C 60 °CNominal tightening torque5 NmProduct weight50 gNote on materialsRoHS-compliantSeals materialNBR	Symbol	00991452
Standard flow rate in non-return direction at 6 -> 0 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material	Operating pressure for entire temperature range	0.2 bar 10 bar
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Doperation with oil lubrication possible (required for further use) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material	Standard flow rate in flow control direction 6 -> 0 bar	720 l/min
Information on operating and pilot media LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque Foduct weight So g Note on materials RoHS-compliant NBR	Standard flow rate in non-return direction at 6 -> 0 bar	610 l/min 760 l/min
LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material NBR	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Storage temperature -10 °C 40 °C Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material NBR	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Temperature of medium -10 °C 60 °C Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material NBR	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Nominal tightening torque 5 Nm Product weight 50 g Note on materials RoHS-compliant Seals material NBR	Storage temperature	-10 °C 40 °C
Product weight 50 g Note on materials RoHS-compliant Seals material NBR	Temperature of medium	-10 °C 60 °C
Note on materials RoHS-compliant Seals material NBR	Nominal tightening torque	5 Nm
Seals material NBR	Product weight	50 g
	Note on materials	RoHS-compliant
Hollow bolt material Wrought aluminum alloy	Seals material	NBR
Anodized	Hollow bolt material	Wrought aluminum alloy Anodized
Releasing ring material POM	Releasing ring material	РОМ

Feature	Value
Knurled head material	Wrought aluminum alloy Anodized
Material of adjusting screw	High-alloy stainless steel
Swivel joint material	Die-cast zinc