

Consumables catalogue 2019

for Q-Sense Analyzer, Pro and Explorer

	Partnumber	Description	Price in €
	QS-QCS 001	O-rings, standard, for QFM 401, Viton®, 11.1x1.6 mm, 4 pcs	60,-
	QS-QCS 002	O-rings, standard, for QFM 401 Viton®, 11.1x1.6 mm, 20 pcs	80,-
	QS-QCS 019	O-rings, standard, for QWM, Viton®, 12x1 mm, 4 pcs	60,-
	QS-QCS 023	O-rings, highly resistant, for QWM, QOM, QEM, QHM, Kalrez®, 12x1 mm, 4 pcs	370,-
	QS-QCS 017	O-rings, highly resistant, for QFM 401, Kalrez®, 11.1x1.6 mm, 4 pc	370,-
	QS-QCS 038	O-ring kit for QEM 401, highly resistant (Kalrez®, 1 pc 12x1 mm, 2 pcs 1.15x1 mm, 1 pc 1.78x1.78 mm)	420,-
	QS-QCS 024	Electrochem. module o-ring kit, Viton®: for QEM 401, 2 sets <ul style="list-style-type: none"> • 12x1 mm, 2 pcs • 1.78x1 mm, 2 pcs • 1.15x1 mm, 4 pcs 	80,-
	QS-QCS 011	Sealing for Flow module, standard, Viton®, 4 pcs	80,-
	QS-QCS 018	Sealing gaskets, highly resistant, for QFM 401, Kalrez®, 4 pcs	270,-
	QS-QCS 027	QELM 401 sealing kit, Viton®: <ul style="list-style-type: none"> • Sealing gasket, 1 piece • 12x1 mm o-ring, 1 piece • 14x1 mm o-ring, 1 piece • 5x1 mm o-ring, 2 pcs • 1.15x1 mm o-ring, 4 pcs 	80,-
	QS-QCS 036	High resistance sealing kit E1, QFM 401, (1 Kalrez® o-ring, 1 Kalrez® gasket, 1 GORE® Style 100 CR tubing for Reglo Analog/Digital, 1 Perifit)	2510,-
	QS-QCS 039	High resistance sealing kit for QELM 401, (Kalrez® Sealing gasket, o-rings: 1 pc 12x1 mm, 2 pcs 5x1 mm, 4 pcs 1.15x1 mm)	420,-
	QS-QCS 033	High resistance sealing kit, for QFM 401 <ul style="list-style-type: none"> • Kalrez® o-rings, 4 pcs • Kalrez® gaskets, 4 pcs • GORE® Style 100 CR tubing for IPC-N4, 4 pcs • Perifits, 4 pcs 	8930,-

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	QS-QCS 005	Tubing, standard for E4 and E1, Teflon®, 10 m	150,-
	QS-QCS 028	Tubing, standard for QAuto, FEP®, ID 0.5 mm, 8 m For probe-to-flow module connection.	190,-
	QS-QCS 006	Tygon tubing for Ismatec Reglo Digital/Reglo Analog	140,-
	QS-QCS 007	Tygon tubing for Ismatec IPC-N 4, 12 pcs	140,-
	QS-QCS 030	Tygon MHS tubing with 2 stoppers, (e.g. ethanol resistant), for Ismatec Reglo, 6 pcs	270,-
	QS-QCS 031	Tygon MHS tubing with 2 stoppers, (e.g. ethanol resistant), for Ismatec IPC-N4, 6 pcs	270,-
	QS-QCS 032	Pump tubing GORE® Style for IPC N4; Note: should be used together with perifit QCS 035 1 pc	2330,-
	QS-QCS 037	Pump tubing GORE® for Reglo (1 pc); Note: should be used together with, ESA 013, cassette with occlusion lever and perifit QCS 035	2330,-
	QS-QCS 052	Pump tubing Tygon HC (suitable for e.g. Hydrocarbons and petroleum products) for Ismatec Reglo pumps (12 pcs)"	440,-
	QS-QCS053	Pump tubing Tygon HC (suitable for e.g. Hydrocarbons and petroleum products) for Ismatec IPC-N4 (12 pcs)	440,-
	QS-QCS 013	Black nuts, tubing holder screw, 12 pcs Fits tubing QCS 005 and QCS 028.	120,-
	QS-QCS 012	Ferrules, to connect tubing to black nuts, Teflon, 30 pcs Fits tubing QCS 005 and QCS 028.	190,-
	QS-QCS 014	Perifits PEEK, for connection between Teflon® tubing and Tygon pump tubing, 4 pcs Fits nut QCS 013.	160,-
	QS-QCS 035	Perifit PEEK for QCS 032 Pump Tubing GORE® Style 100 CR, (1 pc)	100,-

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	Partnumber	Description	Price in €
	QS-QCS 021	Plastic syringes for Univentor 864 QS, 4 pcs.	70,-
	QS-QCS 022	Glass syringe for Univentor 864 QS, 1 pc.	460,-
	QS-QCS 020	Sapphire glass window for QWM 401 Window Module	180,-
	QS-QCS 029	Optical window for QELM 401, 1/4 wave BK7, 5*2 mm	80,-
	QS-QCS 025	GORE® membrane for QHM 401, 12.5x21.5 mm, 1 pc	90,-
	QS-QCS 026	Reference electrode plastic screw, for QEM 401	70,-
	QS-QCS 034	Probe, ID 0.4 mm, for QAuto 401 (1 pc)	300,-
<p>All prices exclude VAT and shipment costs. Packaging and shipment inside Germany: 15,- €, inside Europe: 30,- €</p>			

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Q-Sense consumables usage hours guide	
Ismatec reglo digital MS-4/12 pump tubing (Tygon R3607)	<p>If run at 100 rpm (= max flow rate), max run time is 35 h.</p> <p>If Q-Sense standard tubing with 0.38 mm ID is run at 150 µl/min, max run time is 200 h.</p>
Ismatec IPC-N4 tump tubing (Tygon R3607)	<p>If run at 11.25 rpm (= max flow rate), max run time 300 h.</p> <p>If Q-Sense standard tubing with 0.64 mm ID is run at 150 µl/min, max run time is 1200 h.</p>
3-way valve in AFC302 flow chamber	<p>In pure water and handled with care: 60 000 – 80 000 rotations.</p> <p>In extreme pH values or highly salty solutions: 5000 – 10 000 rotations.</p> <p>Experience from Q-Sense users suggests one to two years.</p>
Sensor crystals	<p>Depending on application and possibility to clean. If only mild cleaning conditions are needed and the application is insensitive to increased surface roughness, a crystal can be used for numerous experiments. However, for certain applications a standard surface can be used only once. Check that the absolute D-values are within recommended limits: (150-250 E-6 for 3rd overtone); if the crystal's D-baseline starts to deviate over time, it is an indication of reduced quality.</p>
Viton tubing, o-rings and sealing gaskets; teflon tubing	<p>The need for replacements depends on application and compliance to chemical compatibility recommendations. Refer to the chemical compatibility chart in the operator manual if sample liquids are OK to use.</p>
Ferrules for E4 flow modules:	<p>Gets irreversibly deformed when mounted into the flow module. Can only be used on one tube.</p>
Nuts for E4 flow modules	<p>The end of life for the black nuts will be when they do not seal the inlet and outlet of the flow modules any longer. If leakage is observed around them, they need to be replaced.</p>