



Upgrade Options for JES-301



Gas Sampling Probes

Heated Sample Lines

Sample Gas Coolers

Condensate Treatment

Accessories

Gas Conditioning Systems





Sample Gas Converters

The JCT gas sampling probes can be customized for special applications with various upgrade options:

- Shut-off ball valves for the sample gas outlet: operated pneumatically, electrically or manually
- Process shut-off valves: operated pneumatically, electrically or manually
- Air accumulators for back purging in different sizes
- Heated air accumulators for back purging in different sizes
- Dilution units
- Various connectors
- Additional heater elements for low ambient temperatures
- Additional ATEX certified components

ORDER CODE

Upgrade options for gas sampling probes of series

Part No.	Description	Upgrade options for gas sampling probes of series					
		JES-301	JES-301V	JES-301E1 	JES-301E1SV 	JES-301E10S 	JES-301E10SV 
35.93018	Ceramic filter element , surface coated, 0,2 µm	X	X	X	X	X	X
35.90113	Glasfibre filter element	X	X	X	X	X	X
35.90106	PTFE filter element	X	X	X	X	X	X
35.90102	Stainless steel filter element	X	X	X	X	X	X
35.90107	Glass wool filter element, incl. gaskets	X	X	X	X	X	X
35.90108	Glass wool filter element, incl. gaskets, high temperature version	X	X				
35.00655	Dilution unit JES-DU	X	X	X	X	X	X
35.00673	Control panel for dilution unit JES-DCP	X	X	X	X	X	X
35.00658A	Back purge control valve 24 VDC for models with back purge port	X	X				
35.00658B	Back purge control valve 115 VAC for models with back purge port	X	X				
35.00658C	Back purge control valve 230 VAC for models with back purge port	X	X				
35.90092	Back purge reduction valve JBPRV in sample gas outlet for models with back purge port, 6 mm pipe (see also separate product data sheet)	X	X	X	X	X	X
35.90099	Back purge reduction valve JBPRV in sample gas outlet for models with back purge port, 8 mm pipe (see also separate product data sheet)	X	X	X	X	X	X
35.90011	Back purge reduction valve JBPRV in sample gas outlet for models with back purge port, 1/4" mm pipe (see also separate product data sheet)	X	X	X	X	X	X
35.00660	Pneumatic actuator for process shut-off valve		X				
35.00670A	Solenoid pilot valve kit 24 VDC for pneumatic actuator with valve plug, form B	X	X				
35.00670B	Solenoid pilot valve kit 115 VAC for pneumatic actuator with valve plug, form B	X	X				
35.00670C	Solenoid pilot valve kit 230 VAC for pneumatic actuator with valve plug, form B	X	X				
35.00661	Electric actuator for process shut-off valve		X				
35.00666A	2 l air accumulator for back purge with control valve 24 VDC	X	X				
35.00666B	2 l air accumulator for back purge with control valve 115 VAC	X	X				
35.00666C	2 l air accumulator for back purge with control valve 230 VAC	X	X				
35.00662A	5 l air accumulator for back purge with control valve 24 VDC	X	X				
35.00662B	5 l air accumulator for back purge with control valve 115 VAC	X	X				
35.00662C	5 l air accumulator for back purge with control valve 230 VAC	X	X				
35.00663A	5 l heated air accumulator for back purge with heater 230 VAC and control valve 24 VDC	X	X				
35.00663B	5 l heated air accumulator for back purge with heater 230 VAC and control valve 115 VAC	X	X				
35.00663C	5 l heated air accumulator for back purge with heater 230 VAC and control valve 230 VAC	X	X				
35.00672	High temperature version for DN 65 flange*	X					
35.00675	High temperature version for DN 65 flange for models with back purge or calibration port*	X					
35.00676	High temperature version for DN 65 flange for models with back purge and calibration port*	X					
35.00677	High temperature version for ANSI flange for models*	X					
35.00678	High temperature version for ANSI flange for models with back purge or calibration port*	X					
35.00679	High temperature version for ANSI flange for models with back purge and calibration port*	X					
35.00681	Digital temperature display for temperature controller	X	X				

* ... for sample gas temperatures up to 315 °C

ORDER CODE

Upgrade options for gas sampling probes of series

Part No.	Description	Upgrade options for gas sampling probes of series					
		JES-301	JES-301V	JES-301E1 ^{Ex}	JES-301E1SV ^{Ex}	JES-301E10S ^{Ex}	JES-301E10SV ^{Ex}
35.00650	One additional ATEX heater element temperature class T3 (<200 °C) for ambient temperature down to -20 °C			X	X		
35.00651	Two additional ATEX heater elements temperature class T3 (<200 °C) for ambient temperature down to -30 °C			X	X		
35.00671	ATEX heater element temperature class T4 (<135 °C); replacement for standard heater element			X	X		
35.00687	One additional ATEX heater element for temperature class T4 (<135 °C)			X	X		
35.00688	Two additional ATEX heater elements temperature class T4 (<135 °C)			X	X		
35.00680	PT100 temperature sensor instead of low temperature contact (replacement)					X	X
35.00654A	Back purge ATEX control valve 24 VAC/VDC (UC) for models with back purge port			X	X	X	X
35.00654B	Back purge ATEX control valve 115 VAC/VDC (UC) for models with back purge port			X	X	X	X
35.00654C	Back purge ATEX control valve 230 VAC/VDC (UC) for models with back purge port			X	X	X	X
35.00664	Pneumatic actuator for process shut-off ball valve for ATEX Zone 22				X	X	X
35.00665A	ATEX solenoid pilot valve kit 24 VDC for pneumatic actuator with valve plug, form A			X	X	X	X
35.00665B	ATEX solenoid pilot valve kit 115 VAC for pneumatic actuator with valve plug, form A			X	X	X	X
35.00665C	ATEX solenoid pilot valve kit 230 VAC for pneumatic actuator with valve plug, form A			X	X	X	X
35.00667A	2 l air accumulator for back purge with ATEX control valve 24 VAC/VDC (UC)			X	X	X	X
35.00667B	2 l air accumulator for back purge with ATEX control valve 115 VAC/VDC (UC)			X	X	X	X
35.00667C	2 l air accumulator for back purge with ATEX control valve 230 VAC/VDC (UC)			X	X	X	X
35.00652A	5 l air accumulator for back purge with ATEX control valve 24 VAC/VDC (UC)			X	X	X	X
35.00652B	5 l air accumulator for back purge with ATEX control valve 115 VAC/VDC (UC)			X	X	X	X
35.00652C	5 l air accumulator for back purge with ATEX control valve 230 VAC/VDC (UC)			X	X	X	X
35.00653A	5 l heated air accumulator for back purge with ATEX heater and control valve 24 VAC/VDC (UC) (separate mount)			X	X	X	X
35.00653B	5 l heated air accumulator for back purge with ATEX heater and control valve 115 VAC/VDC (UC) (separate mount)			X	X	X	X
35.00653C	5 l heated air accumulator for back purge with ATEX heater and control valve 230 VAC/VDC (UC) (separate mount)			X	X	X	X
35.00674	GRP-ATEX instrument enclosure for ambient temperatures down to -40 °C			X	X	X	X
35.00684	Connection hose fitting M 63 x 1,5 mm for sample gas outlet, clamping range 41 to 54 mm	X	X	X	X	X	X
35.00685	Fitting aperture for mounting clamp diameter 58...61 mm	X	X	X	X	X	X
35.00686	Connection ports imperial system (Calibration and / or back purge pipe stubs)	X	X	X	X	X	X

Note: some configurations are not recommendable or applicable. Please contact the **JCT** sales team for further information.

SERIES OF PRODUCT FAMILY JES-301

Series JES-301



Heated gas sampling probe, basic model optionally:

- Back purge port
- Calibration port
- Temperature controller

Series JES-301V



Heated gas sampling probe with process shut-off ball valve optionally:

- Back purge port
- Calibration port

Series JES-301E1



Explosion proof gas sampling probe with self limited heating optionally:

- Back purge port
- Calibration port



Series JES-301E1SV



Explosion proof gas sampling probe with self limited heating and process shut-off valve optionally:

- Back purge port
- Calibration port



Series JES-301E10S

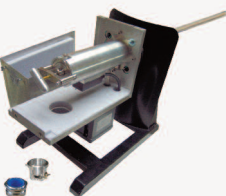


Explosion proof gas sampling probe with self limited heating and low temperature contact optionally:

- Back purge port
- Calibration port



Series JES-301E10SV

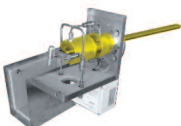


Explosion proof gas sampling probe with self limited heating, process shut-off valve and low temperature contact optionally:

- Back purge port
- Calibration port



Gas Sampling Probes



Heated Sample Lines



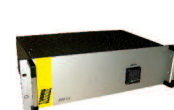
Sample Gas Coolers



Gas Conditioning Systems



NOx Converter



and solutions for

