

SERVOPRO PureGas

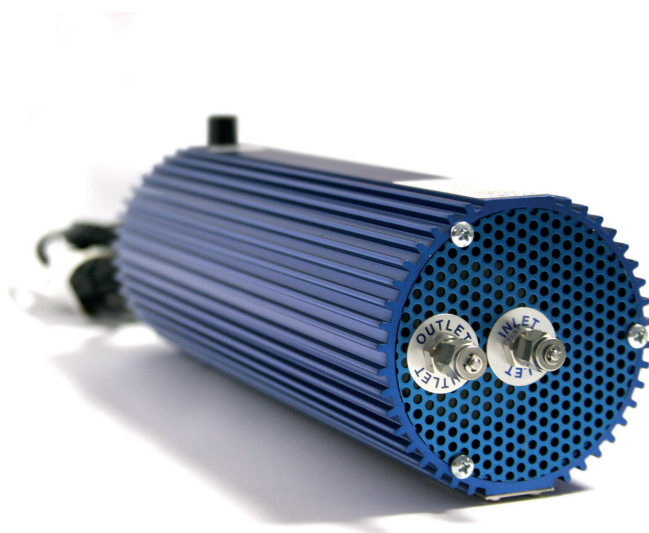
THE SERVOPRO PUREGAS IS A GETTER-BASED UNIT DESIGNED FOR THE PURIFICATION OF CARRIER GASES FOR GAS CHROMATOGRAPHY (GC) AND OTHER ANALYTICAL APPLICATIONS.

SERVOPRO PureGas

Outlet impurity levels for O₂, H₂O, CO, CO₂, H₂, CH₄ and N₂ are reduced to low parts per billion (ppb) levels or below. The patented Getter alloy operated at elevated temperatures, removes impurities by forming irreversible chemical bonds. Impurities will not be released under any circumstances when the purifier is operated within specification.

STANDARD FEATURES

- Deep blue anodized exterior maintains a 45°C surface temperature
- Efficient ceramic fiber insulation with encapsulated heater coil
- 20 µm sintered filter on inlet and outlet
- 1/8" compression fittings (Optional 1/8" VCR)



PROCESS GAS SPECIFICATION

SPECIFICATION	
Max Flow Rate (maximum purified gas delivered)	1000 ml/min
Nominal Flow Rate	200 ml/min
Minimum Flow Rate*	20 ml/min
Maximum Inlet Pressure	10.3 barg (~150 psig)
Maximum Pressure Drop at 6.2 barg (90 psig) inlet pressure and maximum rated flow	< 1.0 psig
Inlet Gas Temperature (min-max)	0° – 35°C (32° – 95°F)
Outlet Gas Temperature (maximum)	< 50° C (122° F)

* The minimum flow is the lowest flowrate at which Servomex will guarantee that outlet gas purity will be met as well as the minimum flow that must be available from the supply to support regeneration.

Please note: This document was updated in August 2014. While every effort has been made to ensure accuracy, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards and guidelines. This document is not intended to form the basis of a contract.

Learn more about the SERVOPRO PureGas
VISIT SERVOMEX.COM



SERVOMEX.COM

PRODUCT DATA: PureGas

FACILITIES REQUIREMENTS - ELECTRICAL

SPECIFICATION	
Installed Power (Customer to specify voltage at time of order)	120 VAC, 1 Phase, 50/60 Hz 220 VAC, 1 Phase, 50/60 Hz
Plug Style (Customer to specify which power plug is required in their area at time of order)	USA (120 VAC) EU (220 VAC) UK (220 VAC)

FACILITIES REQUIREMENTS - GENERAL

SPECIFICATION	
Indoor Installation, Ambient Temperature (min-max)	0° – 35°C (32° – 95°F)

PERFORMANCE

IMPURITY	INLET PURITY REQUIREMENTS (5.0 GAS)	OUTLET PURITY LEVEL (1/8" SWG)	OUTLET PURITY LEVEL (1/8" VCR)
O ₂	0<2000 ppb	<10 ppb	<1 ppb
H ₂ O	0<2000 ppb	<10 ppb	<1 ppb
CO	0<500 ppb	<10 ppb	<1 ppb
CO ₂	0<100 ppb	<10 ppb	<1 ppb
H ₂	0<100 ppb	<10 ppb	<1 ppb
CH ₄	0<300 ppb	<10 ppb	<1 ppb
N ₂	0<4000 ppb	<10 ppb	<1 ppb

SPECIFICATION

PURIFIER HEIGHT	312 mm (~12.3 in) 347 mm (~13.67 in) [optional VCR connections]
PURIFIER WIDTH	112 mm (~4.4 in)
PURIFIER WEIGHT	1.8 Kg (~4 lbs)
FEED GAS INLET	1/8" Swagelok fittings (Optional 1/8" VCR)
PURIFIED GAS OUTLET	1/8" Swagelok fittings (Optional 1/8" VCR)
HEATER POWER CONSUMPTION	40 W
PARTICULATE FILTER	20 µm sintered filter on inlet and outlet
GAS WETTED SURFACE FINISH	Up and downstream of Getter Vessels = 304L SST, all welded construction

PBPureGas Rev0 Date: 12/15

AMERICAS BUSINESS CENTER
Tel: +1 281 295 5800
Email: americas_sales@servomex.com

ASIA PACIFIC BUSINESS CENTRE
Tel: +86 (0)21 6489 7570
Email: asia_sales@servomex.com

EUROPEAN BUSINESS CENTRE
Tel: +31 (0) 79 330 1580
Email: europe_sales@servomex.com

INDIA BUSINESS CENTRE
Tel: +91 22 3934 2700
Email: MEI_sales@servomex.com

MIDDLE EAST BUSINESS CENTRE
Tel: +971 6552 8073
Email: MEI_sales@servomex.com

SERVOMEX.COM

Servomex has a policy of constant product improvement and reserves the right to change specifications without notice.
© Servomex Group Limited. 2014. A Spectris company. All rights reserved.

SERVOMEX 