



ООО «ELTOCHPRIBOR»

www.eltochpribor.ru











DATA SHEET

PRODUCTS

for industrial gas-feeding systems

INDUSTRIAL GAS-FEEDING SYSTEMS: ENGINEERING, MANUFACTURING, ERECTION

GAS SYSTEM ELEMENTS for PURE GASES

MASS FLOW CONTROLLERS	RRG-10	RRG-12	RRG-15			
<ul style="list-style-type: none"> of a capillary type are based on a principle of thermal transformation of the mass flow of gas in an electric signal by means of the calorimetric capillary converter 						
Output signal type	analog	analog, digital, RS232, RS485	analog, digital, RS232, RS485			
Input pressure (g), MPa	0,03 ... 0,3	0,03 ... 0,3	0,05 ... 0,4			
Maximum scale of control, l/hr	0,36 ▪ 0,9 ▪ 3,6 ▪ 9,0 ▪ 18 ▪ 36 ▪ 90 ▪ 180 ▪ 360 ▪ 720 ▪ 900 ▪ 1800	0,36 ▪ 0,9 ▪ 3,6 ▪ 9,0 ▪ 18 ▪ 36 ▪ 90 ▪ 180 ▪ 360 ▪ 720 ▪ 900 ▪ 1800	36 ▪ 360 ▪ 900			
Control pressure range, MPa	---	---	0,05 ... 0,5			
Material contacting to operating environment	SS, Ni, R1 and R2					
GAS PRESSURE REGULATORS	RDM-21	RDM-25	RDM-23	RDM-24		
<ul style="list-style-type: none"> of a mechanical type are having a diaphragm mode of pressure regulation (RDM-21 and RDM-25 – with metal diaphragm, RDM-23 and RDM-24 – with rubber diaphragm) 						
Input pressure (g), MPa	0,02...16,0	0,02...16,0	0,02...16,0	0,06...0,6		
Output pressure (g), MPa	0,02...0,4	0,02...0,4	0,02...0,4	0,02...0,2		
Maximum flow rate, l/hr	1800	1800	900	3600		
Material contacting to operating environment	SS and F40		SS, R1 and R2			
STOP VALVES	KM-1	KM-2	KR-08	PK-06/07	PK-10/11	PKM-1/2
<ul style="list-style-type: none"> manual valves – KM-1, KM-2, KR-08 pneumatic valves (norm.closed/norm.open) – PK-06/PK-07, PK-11/PK-10, PKM-2/PKM-1 						
Maximum pressure (g), MPa	0,6	0,6	0,6	0,3	0,4	1,6
Maximum flow rate, l/hr	1800					
Pressure loss, MPa, not more than (at the flow rate of 1800 l/hr and the input pressure of 0,6 MPa)	0,03	0,03	0,03	0,03	0,03	0,03
Material contacting to operating environment	SS and F40			SS, R1, R2	SS and F40	SS, F40, R1, R2

NOTES:

- ELTOCHPRIBOR'S PRODUCTS THAT ARE NOT SHOWN HERE CONTROL, INDICATION AND POWER SUPPLY UNIT FOR MFC; BACK PRESSURE VALVE; FITTINGS, ETC.
- MATERIALS CONTACTING TO OPERATING ENVIRONMENT – DESIGNATIONS

SS	– STAINLESS STEEL 12X18H10T (SIMILAR TO AISI 321)
Ni	– NICKEL
F40	– FLUOROPLASTIC F-40
R1	– RUBBER VA13D
R2	– RUBBER 51 -1481 (FOR NH ₃)
- THE PRODUCTS' LEAK RATE – NOT MORE THAN 1,3 x 10⁻⁹ M³*PA/S (HE)
- GAS-FEEDING SYSTEMS CAN ALSO BE DESIGNED USING IMPORTED GAS SYSTEM ELEMENTS.

INDUSTRIAL GAS-FEEDING SYSTEMS: ENGINEERING, MANUFACTURING, ERECTION

ООО «Eltochpribor»

Panfilovsky pr-t 10 (NIITM bldg), Zelenograd, 124460 Moscow, Russian Federation
Tel./fax +7 499 735 0931 / 735 5363 / gas@eltochpribor.ru / www.eltochpribor.ru

December, 2009