

## PRESSURE REGULATOR K10

ACCORDING TO DIN EN ISO 2503

### OXYGEN-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14000**                            0-10 bar

**14007**                            0-2 bar

### ACETYLENE-PRESSURE REGULATOR K10, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14100**                            0-1,5 bar

### ARGON/CO<sub>2</sub>-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14200**                            0-30 / 28 l/min

**14223**                            0-2,5 bar

**14220**                            0-10 bar

**14801**                            0-20 bar

**14225**                            0-25 bar

**14242**                            0-30 bar

**14227**                            0-40 bar

### NITROGEN-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14430**                            0-1,5 bar

**14431**                            0-3,5 bar

**14400**                            0-10 bar

**14410**                            0-20 bar

**14420**                            0-25 bar

**14425**                            0-40 bar

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### COMPRESSED AIR-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14505**                          0-1,5 bar

**14500**                          0-10 bar

**14510**                          0-20 bar

**14513**                          0-30 bar

**14511**                          0-40 bar

### HELIUM-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14800**                          0-10 bar

**14801**                          0-20 bar

### FORMING GAS-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Performance**

**14700**                          0-30 l/min

**14701**                          0-50 l/min

### FUEL GAS-PRESSURE REGULATOR K10 - METHANE (NATURAL GAS), SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14550**                          0-1,5 bar

**14560**                          0-10 bar

**14562**                          0-20 bar

**14571**                          0-25 bar

**14563**                          0-40 bar

## PRESSURE REGULATOR K10

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### NITROUS OXIDE-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14850**                            0-10 bar

**14851**                            0-20 bar

### PROPANE-PRESSURE REGULATOR K10, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14650**                            0-3,5 bar

### TEST GAS-PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE



Outlet pressure adjustable

**Art.-No.**                      **Outlet pressure**

**14750**                            0-2,5 bar

**14753**                            0-4 bar

**14760**                            0-10 bar

**14762**                            0-20 bar

### BALLOON FILLING VALVE - 200 BAR



Outlet pressure adjustable

**Art.-No.**    **Type**

**16800**    Balloon charging valve with gauge

**16810**    Balloon charging valve without gauge

**16820**    Balloon charging valve with hand connection

**16830**    Film adapter for film balloons

**16825**    Outlet valve, complete

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### BENT VALVE FOR BALLOON GAS - 200 BAR



Art.-No.	Type
CK1320	with cone shaped nozzle
CK1325	with flat nozzle (dispatch with needle)
CK1330	with beveled nozzle

### PRESSURE REGULATOR K10 WITH FLOWMETER - 200 BAR, SINGLE STAGE



Art.-No.	Gas type	Performance
14240	Argon	2-9 l/min
14260	Argon/CO <sub>2</sub>	2-16 l/min
14270	Argon/CO <sub>2</sub>	3-30 l/min
14710	Forming gas	3-32 l/min
14711	Forming gas	4-50 l/min
14470	Nitrogen	3-32 l/min

### PRESSURE REGULATOR K10 WITH 2 FLOWMETERS - 200 BAR, SINGLE STAGE



Art.-No.	Gas type	Performance
14275	Argon/CO <sub>2</sub>	3-30 l/min
14720	Forming gas	3-32 l/min

### PRESSURE REGULATOR K10 WITH FLOWMETER - 300 BAR, SINGLE STAGE

Cylinder connection W 30 x 2 fem. acc. to DIN 477-5

Art.-No.	Gas type	Performance
12245	Argon	2-9 l/min
12265	Argon/CO <sub>2</sub>	5-16 l/min
12275	Argon/CO <sub>2</sub>	7-30 l/min
12715	Forming gas	3-32 l/min
12716	Forming gas	4-50 l/min

## PRESSURE REGULATOR K10 / K96

ACCORDING TO DIN EN ISO 2503

### PRESSURE REGULATOR K10 - 300 BAR, SINGLE STAGE

Cylinder connection W 30 x 2 fem. acc. to DIN 477-5



Art.-No.	Gas type	Outlet pressure
12225	Argon/CO2	0-10 bar
12205	Argon/CO2	0-28/30 l/min
12405	Nitrogen	0-10 bar
12410	Nitrogen	0-20 bar
12420	Nitrogen	0-25 bar
12425	Nitrogen	0-40 bar
12505	Compressed air, G3/8"	0-10 bar
12510	Compressed air, G3/8"	0-20 bar
12565	Hydrogen	0-10 bar
12765	Test gas	0-10 bar
12705	Forming gas	0-30 l/min
12707	Forming gas	0-50 l/min
12605	Helium	0-10 bar

### PRESSURE REGULATOR K10 - 200 BAR, SINGLE STAGE, WITH METAL DIAPHRAGM, CHROMED



For non corrosive pure gas

Art.-No.	Gas type	Outlet pressure
14050	Nitrogen	0-10 bar
14052	Argon/CO2	0-10 bar

### PRESSURE REGULATOR K96 - STAINLESS STEEL, SINGLE STAGE

Regulator housing: Stainless steel 1.4401  
 Housing seal: Viton-A  
 Diaphragm: Stainless steel 1.4310  
 Seat: PVDF / Teflon  
 Sealing cone: Stainless steel 1.4401

Gas inlet temperature: max. 150° C (for type H)  
 Safety valve: built-in  
 Gas inlet temperature: max. 205° C (for type L)  
 Filter: Hastelloy  
 Connection thread: 1/4" NPT



Art.-No.	Inlet pressure	Outlet pressure	Consumption (N2) at 210 bar-70 bar
11600	210 / 70 bar	0-1,5 bar	10 Nm <sup>3</sup> /h - 10 Nm <sup>3</sup> /h
11610	210 / 70 bar	0-3,5 bar	18 Nm <sup>3</sup> /h - 18 Nm <sup>3</sup> /h
11620	210 / 70 bar	0-7 bar	36 Nm <sup>3</sup> /h - 36 Nm <sup>3</sup> /h
11630	210 / 70 bar	0-15 bar	86 Nm <sup>3</sup> /h - 65 Nm <sup>3</sup> /h
11640	210 / 70 bar	0-30 bar	152 Nm <sup>3</sup> /h - 65 Nm <sup>3</sup> /h

## PRESSURE REGULATOR

### SPARE PART SEALING



Art.-No.	Abmessung	Application
1475020	14 x 9 x 2,2 mm	Cylinder connection Test gas
651045	15,8 x 9 x 2 mm	Cylinder connection Acetylene
1400020	18,4 x 11,6 x 2,5 mm	Cylinder connection andere gases
1400002	10 x 5,3 x 3,7 mm	Aludichtung
548900002011P	7,65 x 1,78 mm	O-Ring 300 bar

### KAYSER INFORMATION: CYLINDER CONNECTIONS 200 BAR

For 200 bar cylinders acc. to DIN 477 - part 1

Gas type	Cylinder connection	Connection type	DIN 477 No.
Acetylene	—	Clamp connection	3
Argon/CO2	W 21,80 x 1/14"	Swivel nut	6
Compressed Air	G 5/8"	Male thread	13
Forming Gas	W 21,80 x 1/14" LH	Swivel nut	1
Helium	W 21,80 x 1/14"	Swivel nut	6
Hydrogen	W 21,80 x 1/14" LH	Swivel nut	1
Nitrogen	W 24,32 x 1/14"	Swivel nut	10
Oxygen	G 3/4"	Swivel nut	9
Propane	W 21,80 x 1/14" LH	Swivel nut	1
Test Gas	M 19 x 1,5 LH	Swivel nut	14

## PRESSURE REGULATOR 97

According to DIN EN ISO 2503

### HIGH PRESSURE REGULATOR K97 - 300 BAR, SINGLE STAGE

Standard outlet: 12 mm tube fitting, with safety valve, connection W 30 x 2 fem. acc. to DIN 477-5



Art.-No.	Gas type	Outlet pressure
11000	Argon	0-100 bar
11010	Compressed air*	0-100 bar
11020	Natural gas	0-100 bar
11030	Helium	0-100 bar
11042	Nitrogen	0-50 bar
11040	Nitrogen	0-100 bar
11050	Hydrogen	0-100 bar
11060	Test gas	0-100 bar
11100	Argon	0-200 bar
11110	Compressed air*	0-200 bar
11120	Natural gas	0-200 bar
11130	Helium	0-200 bar
11140	Nitrogen	0-200 bar
11150	Hydrogen	0-200 bar
11160	Test gas	0-200 bar

\*Connection DIN (G 5/8" pressureschraube)

### HIGH PRESSURE REGULATOR K97 - 200 BAR, SINGLE STAGE

Standard outlet: 12 mm tube fitting, with safety valve, connection DIN 477-1



Art.-No.	Gas type	Outlet pressure
11200	Argon	0-100 bar
11210	Compressed air	0-100 bar
11220	Natural gas	0-100 bar
11230	Helium	0-100 bar
11243	Nitrogen	0-50 bar
11240	Nitrogen	0-100 bar
11250	Hydrogen	0-100 bar
11300	Argon	0-200 bar
11310	Compressed air	0-200 bar
11320	Natural gas	0-200 bar
11330	Helium	0-200 bar
11348	Nitrogen	0-150 bar
11340	Nitrogen	0-200 bar
11350	Hydrogen	0-200 bar

## ECOMAT 2000

### ECOMAT 2000



Argon/CO<sub>2</sub>-Pressure regulator with flowmeter and integrated gas saver

Art.-No.		Working pressure
17000	Cylinder pressure regulator bis 200 bar	3-30 l/min
17001	Cylinder pressure regulator bis 300 bar	3-30 l/min
17002	Cylinder pressure regulator bis 200 bar	2-16 l/min
17010	Point-of-use Pressure regulator	3-30 l/min
17011	Point-of-use Pressure regulator	2-16 l/min

### KAYSER INFORMATION: GAS AND MONEY SAVING WITH ECO 2000

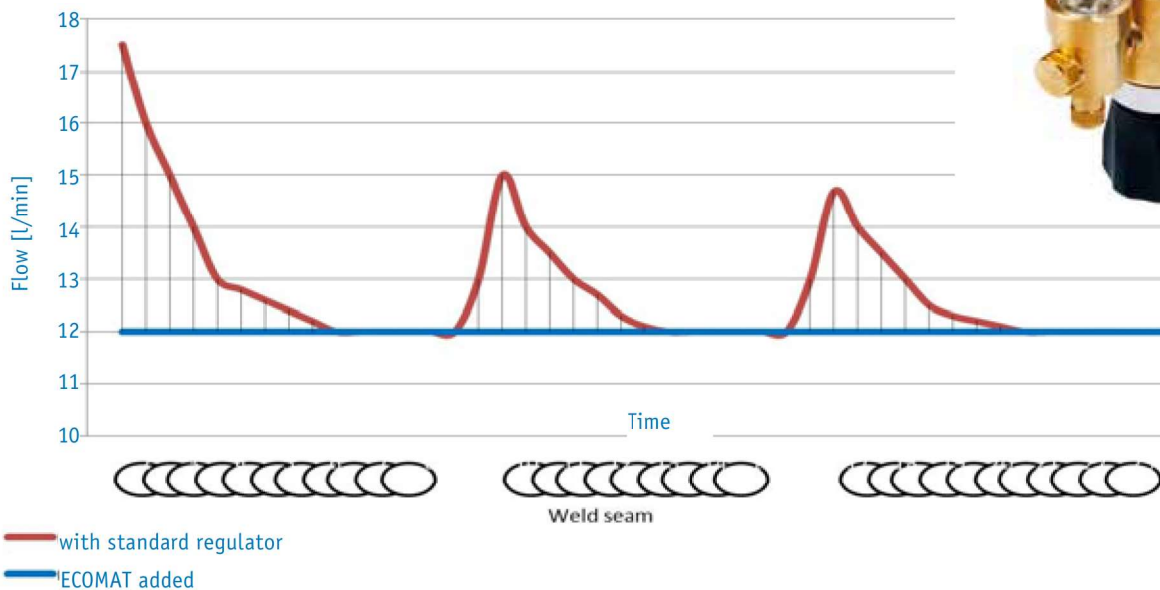
The ECOMAT 2000 is a pressure regulator with built-in gas saving device and flowmeter. It was developed to achieve a huge savings with inert gas welding (MIG / MAG, etc.). The device was developed from proven KAYSER parts and is produced in Dortmund. Gas savings achieved with reach the 50% level.

In TIG and MIG / MAG welding mostly single stage pressure regulators with or without flowmeters are used. If after the welding operation the solenoid valve of the welding system closes, an excess pressure between welding device and pressure regulator will be created. If thereafter the

welding process will be started again, this expensive pressurized gas volume will be lost unused. Applying ECOMAT 2000 pressure building is reduced to a minimum.

Resulting gas saving volumes are great. Examinations with spot and stitch welding show cost savings up to 50 %.

The ECOMAT 2000 ensures a constant gas flow during the entire welding process. The hose congestion pressure between welding device and regulator will never be build again.





## POINT-OF-USE REGULATORS K10 / SETS

ACCORDING TO DIN EN ISO 2503

### POINT-OF-USE REGULATOR K10, SINGLE STAGE



Inlet non flammable gases : G 3/8" - outlet G 1/4"

Inlet flammable gases : G 3/8" LH - outlet G 3/8" LH

Art.-No.	Gas type	Outlet pressure
15000	Oxygen	0-10 bar
15002	Oxygen	0-20 bar
15100	Acetylene	0-1,5 bar
15200	Argon/CO2	0-32/28 l/min
15210	Carbon dioxide	0-10 bar
15550	Hydrogen	0-10 bar
15400	Nitrogen	0-10 bar
15410	Nitrogen	0-20 bar
15650	Propane	0-3,5 bar
15500	Compressed air	0-10 bar
15700	Forming gas	0-30 l/min
15701	Forming gas	0-50 l/min

### POINT-OF-USE REGULATOR K10 WITH FLOWMETER

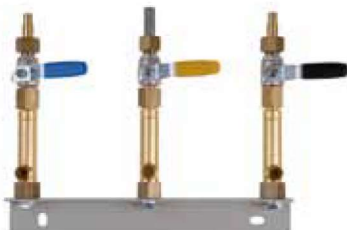


Inlet non flammable gases : G 3/8" - outlet G 1/4"

Inlet flammable gases : G 3/8" LH - outlet G 3/8" LH

Art.-No.	Gas type	Outlet pressure
15230	Argon	2-9 l/min
15250	Argon/CO2	2-16 l/min
15260	Argon/CO2	3-30 l/min
15310	Forming gas	2-16 l/min
15320	Forming gas	4-50 l/min

### POINT-OF-USE SET



Inlet 12mm welded nipple/ soldering bush,  
outlet G 3/8" / G3/8" LH

Art.-No.	Gas type
59510	1er Set LH
59511	1er Set RH
59521	2er Set 1 x RH, 1 x LH
59522	2er Set 2 x LH
59523	2er Set 2 x RH
59531	3er Set 1 x LH, 2 x RH
59532	3er Set 2 x LH, 1 x RH
59534	3er Set 3 x RH
59535	3er Set 3 x LH
59540	4er Set 1 x LH, 3 x RH