



Medical technology Regulation inspiration for you.



KNOCKS Fluid-Technik – as a technologically leading manufacturer of filter and regulator technology, we offer you competent solutions in the area of **medical technology**.



Welcome to KNOCKS.

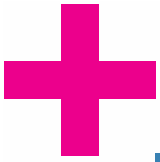
WE BUILD THE FUTURE.

Do you need smart problem solutions? We handle it! As leading manufacturer for pressure control and filter technology, we have been giving impulses to the sector for almost 50 years, 25 years with experience in design solutions development for the medical technology sector. We supply expert answers to your questions for all pressure control and filtration areas - convenient know-how advantage and fair conditions included.



Pressure regulation
and filtration...

... of **water**
... of **medical gases**
... with **stainless steel devices**



Pressure regulation and filtration

Water

TECHNOLOGY THAT REGULATES IT CLEANLY.

Pressure regulators from KNOCKS have been specially developed for water applications in the medical and food sectors. They provide a clean solution for dialysis units, dental technology and osmosis water systems – anywhere top standards are placed on regulator performance. All the materials we use are physiologically harmless and biocompatible.

| | MODEL | APPLICATIONS | FEATURES |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PRESSURE REGULATION |  DR.021-01 PRESSURE REGULATOR G 1/4 | Water circulation systems Dental technology | Natural brass Also available in G 1/8 Drinking water compliant in accordance with UBA certification |
| |  DR.032 PRESSURE REGULATOR WITH HOSE CONNECTORS Ø 6 | Water circulation systems Dental technology Dialysis units | PPSU-materials Hot water resistant to 95°C Biocompatible Drinking water compatible |
| |  DR.021-00 VC PRESSURE REGULATOR G 1/8 | Water circulation systems Dental technology | Chrome-plated Also available in G 1/4 |
| |  GRE.01 TW PRESSURE REGULATOR G 1/4 | Water circulation systems Dental technology | Drinking water compliant in accordance with UBA certification |
| |  GCE.01 W FILTER REGULATOR G 1/4 | Water circulation systems Dental technology | 5µm, 40µm und 100µm filtration |
| |  DR.050 S PRESSURE REGULATOR WITH HOSE CONNECTORS Ø 6 | Water circulation systems Dental technology Dialysis units Osmosis water systems | PPSU-materials Hot water resistant to 95°C Biocompatible Drinking water compatible Gauge connection G 1/8 |








Pressure regulation and filtration

Medical gases






TECHNOLOGY FOR LIFE

High performance and reliability: These are qualities which are (vitaly) important in the medical field and qualify KNOCKS pressure regulators for just this purpose.

Our control technologies convince with absolute functional precision in preclinical and clinical areas. Central supply plants in hospitals and treatment centres, mobile and stationary oxygen compressors as well as medical gas supply and ventilation systems only allow for little tolerances. Specifically in anaesthesia, absolute reliability is imperative. Thanks to the conscientiously tested long-term quality of our control devices, we assure the medical staff that they are doing the best for the patient.

| | MODEL | APPLICATIONS | FEATURES |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| MEDICAL OXYGEN |  DR.23 O PRESSURE REGULATOR G 1/2 | Pressure regulation in: <ul style="list-style-type: none"> • Central gas supply units/systems • Medical devices • Oxygen compressors | Pursuant to DIN EN ISO 10524-4 |
| |  DR.33 O PRESSURE REGULATOR G 1/2 | Pressure regulation in: <ul style="list-style-type: none"> • Central gas supply units/systems • Medical devices • Oxygen compressors | Pursuant to DIN EN ISO 10524-4 |
| |  DR.55 O PRESSURE REGULATOR G 1 | Pressure regulation in: <ul style="list-style-type: none"> • Central gas supply units/systems • Medical devices • Oxygen compressors | Pursuant to DIN EN ISO 10524-4 |
| |  DR.01 m0 PRESSURE REGULATOR G 1/4 | Pressure regulation in: <ul style="list-style-type: none"> • Central gas supply units/systems • Medical devices • Oxygen compressors | Also available in G 1/8 and with brass spring cage Nach DIN EN ISO 10524-4 |
| |  DR.01 m0 PRESSURE REGULATOR G 1/4 | Pressure regulation in: <ul style="list-style-type: none"> • Central gas supply units/systems • Medical devices • Oxygen compressors | Also available in G 1/8 Pursuant to DIN EN ISO 10524-4 |



| | MODEL | APPLICATIONS | FEATURES |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------|
| MEDICAL OXYGEN |  <p>DR.036-00 mO CARTRIDGE PRESSURE REGULATOR WITH CONNECTION BLOCK G 1/8</p> | Respiration devices Anaesthesia systems Gas control und monitor units | Biocompatible FDA compatible Compact design |
| |  <p>KDR.00 mO S PRESSURE REGULATOR G 1/8</p> | Respiration devices Anaesthesia systems Gas control und monitor units | Biocompatible Compact design |
| |  <p>KDR.FL mO PRESSURE REGULATOR FLANGE MOUNTING</p> | Respiration devices Anaesthesia systems Gas control und monitor units | Biocompatible High control precision Compact design |
| |  <p>DR.036 mO CARTRIDGE PRESSURE REGULATOR</p> | Respiration devices Anaesthesia systems Gas control und monitor units | Biokompatibel FDA compatible Compact design |
| |  <p>DR.036 mO Plunger Action CARTRIDGE PRESSURE REGULATOR WITH CONNECTION BLOCK G 1/8</p> | Respiration devices Anaesthesia systems Gas control und monitor units | Biokompatibel FDA compatible Suitable for automatic control |



Pressure regulation and filtration

Filter and filter units

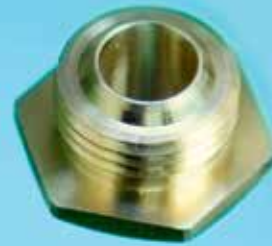
FILTRATION - FOR PARTICULARLY HIGH DEMANDS

The filter combinations by KNOCKS are necessary to meet and ensure specific requirements and demands with regards to the purity class of the media. Different condensate draining options are available in order to comply with the stipulated specifications. Significant weight reductions are achieved using state-of-the-art materials.

| | MODEL | APPLICATIONS | FEATURES |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| FILTER AND FILTER UNITS |  F.00 MO HA4 FILTER G 1/8 | Suitable for compressed air and medical gases | Filtration (Particle size until 5µm) Semi automatic drain Zinc diecast body Purity classes (ISO 8573-1) |
| |  GF.01 HA4 FILTER G 1/4 | Suitable for compressed air and medical gases | Filtration (Particle size until 5µm) Semi automatic drain Grivory body Purity classes (ISO 8573-1) |
| |  KFIL-014 m0 FILTER G 1/4 | Suitable for compressed air and medical gases | Filtration (Particle size until 5µm) Semi automatic drain Grivory body Purity classes (ISO 8573-1) |
| |  KFIL-014 AMC FILTER G 1/4 | Suitable for compressed air and medical gases | Filtration (Particle size until 5µm) Automatic drain Grivory body Purity classes (ISO 8573-1) |
| |  KSUS-014 PRESSURE FILTER UNIT FINE FILTER/ACTIVATED CARBON FILTER G 1/4 | Suitable for compressed air and medical gases | Filtration (Fine filter: Particle size until 0,01µm; Activated carbon filter) Grivory body Purity classes (ISO 8573-1) |
| |  KSUS-014 WARTUNGSEINHEIT 4-tlg. MULTISTAGE FILTER UNIT G 1/4 | Suitable for compressed air and medical gases | Filtration (Filter 8µm - Prefilter 0,3µm - Finefilter 0,01µm - Activated carbon filter) Purity classes (ISO 8573-1) |







Pressure regulation and filtration Stainless steel devices



STAINLESS STEEL - PARTICULARLY RESISTANT

KNOCKS' stainless steel products are particularly suitable for use in aggressive atmospheres. They are more resistant than standard devices and allows thus the pressure control of special and aggressive media.

| | | MODEL | APPLICATIONS | FEATURES |
|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------|
| STAINLESS STEEL |  | XR.M5 PRESSURE REGULATOR M5 | Suitable for compressed air and medical gases and aggressive media | Also available in M7 and Oil and grease free |
| |  | XXFD.01 FILTER REGULATOR G 1/4 | Suitable for compressed air and medical gases and aggressive media | Oil and grease free FPM seals Manual drain |
| |  | XXDR.01 PRESSURE REGULATOR G 1/4 | Suitable for compressed air and medical gases and aggressive media | Oil and grease free FPM seals |
| |  | XXFDR.07 PRECISION REGULATOR G 1/4 | Suitable for compressed air and medical gases and aggressive media | High exhaust capacity FPM seals Controlled air consumption |

Always one idea ahead.



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