

REGULATORS

GS range
GL range
Kuppel valves
GK regulators

GS RANGE REGULATORS

The GS range is the introductory model of the AMT Gega regulator range. Due to the simple construction of this range, AMT Gega has succeeded in offering very robust and user-friendly regulators. The spring loaded diaphragm regulators were specially conceived for manual and portable cutting applications, like every G regulator in the AMT family, and offer good visual control of the flow medium.



MAIN CHARACTERISTICS

Regulate	manual
Max. pressure	40 bar
Pressure range	0.5 – 25 bar

	GS1	GS2	GS3	GS10	GS20	GS30
CONNECTION	Inline	Inline	Inline	Offset	Offset	Offset
Inlet 1	G 3/4" LH M	G 3/4" M	G 3/4" M	G 3/4" LH M	G 3/4" F	G 3/4" M
Outlet 1	G 3/4" LH M	G 3/4" M	G 1/2" M	G 3/4" LH M	G 3/4" F	G 3/4" M
REGULATE	Manual	Manual	Manual	Manual	Manual	Manual
MEDIUM	CPM	Oxygen	Oxygen	CPM	Oxygen	Oxygen
MATERIAL	Main body: Brass / Wetted parts: Brass & stainless steel / Diaphragms & seals: Nitrile					
SERVICE KIT (ITEM NO.)	102542	102542	102542	102542	102542	102542

GL RANGE REGULATORS

The AMT Gega GL range is a high-end regulator range and offers many advantages, which no other product in the market place can provide.

The unit combines a spring loaded pressure regulator with a manual shut off valve, filter, pilot needle valve, and solenoid control valve, all in one compact item. This makes connecting many separate components with pipe fittings redundant, thus reducing the overall cost of the installation and removing the potential for hazardous leaks. Get in touch to explore many equipment variants or to discuss your individual needs for customization.

Amongst other application, this diaphragm regulating unit is used in AMT Gega torch cutting machines, ensuring the torch pressure remains correct and stable, or, when combined with PLC control, automating the switching of the flame between its various modes.



MAIN CHARACTERISTICS

Regulate	manual
Max. pressure	40 bar
Pressure range	0.5 – 25 bar

GL RANGE	GL 1S					GL 2S					GL 3S		GL 4S				
	GL 1S GL 1S / M GL 1S / MS GL 1S / MCG GL 1S / MSG					GL 2S GL 2S / M GL 2S / MS GL 2S / MCG GL 2S / MSG					GL 3S GL 3S / M		GL 4S GL 4S / M GL 4S / MS GL 4S / MCG GL 4S / MSG				
CONNECTION																	
Inlet 1	G 3/4" LH M					G 3/4" M					G 3/4" M		G 3/4" F				
Outlet 1	G 3/4" LH M					G 3/4" M					G 3/4" M		G 3/4" F				
Outlet 2	-					-					-		-				
BYPASS																	
Main-solenoid valve	-	1	1	1	1	-	1	1	1	1	-	1	-	1	1	1	1
Bypass-solenoid valve with manometer-connection	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1
Bypass-solenoid valve without manometer-connection	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-	-
Bypass-regulator valve with manometer-connection	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-
REGULATE																	
	Manual					Manual					Manual		Manual				
MEDIUM																	
	CPM					Oxygen					Oxygen		Acetylene				
MATERIAL																	
	Main body: Brass / Wetted parts: Brass & stainless steel / Diaphragms & seals: Nitrile																
SERVICE KIT (ITEM NO.)																	
	1x102511, 1x107185 1x102511, 1x107185 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538	1x102542 1x102542, 1x107185 1x102542, 1x107185, 1x102538 1x102542, 1x107185, 1x102538 1x102542, 1x107185, 1x102538				1x102543 1x102542, 1x107185 1x102542, 1x107185, 1x102538 1x102542, 1x107185, 1x102538 1x102542, 1x107185, 1x102538					1x102544 1x102542, 1x107185		1x102545 1x102542, 1x107185 1x102542, 1x107185, 1x102538 1x102542, 1x107185, 1x102538 1x102542, 1x107185, 1x102538				
SEALING KIT (ITEM NO.)																	
	1x102511, 1x107185 1x102511, 1x107185 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538					1x102511 1x102511, 1x107185 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538					1x102511 1x102511, 1x107185		1x102511 1x102511, 1x107185 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538 1x102511, 1x107185, 1x102538				

GL RANGE	GL 1D	GL 2D	GL 3D	GL 4D
	GL 1D / MCG GL 1D / MSG	GL 2D / MCG GL 2D / MSG	GL 3D / M	GL 4D / MCG GL 4D / MSG
CONNECTION				
Inlet 1	G 3/4" LH M	G 3/4" M	G 3/4" M	G 3/4" F
Outlet 1	G 1/2" LH M	G 3/8" M	G 1/2" M	G 1/2" F
Outlet 2	G 1/2" LH M	G 3/8" M	G 1/2" M	G 1/2" F
BYPASS				
Main-solenoid valve	2 2	2 2	1	2 2
Bypass-solenoid valve with manometer-connection	- 2	- 2	-	- 2
Bypass-solenoid valve without manometer-connection	- -	- -	-	- -
Bypass-regulator valve with manometer-connection	2 -	2 -	-	2 -
REGULATE				
	Manual	Manual	Manual	Manual
MEDIUM				
	CPM	Oxygen	Oxygen	Acetylene
MATERIAL				
Main body: Brass / Wetted parts: Brass & stainless steel / Diaphragms & seals: Nitrile				
SERVICE KIT				
	1x102542, 1x102543, 2x102538 1x102542, 1x102543, 2x102538	1x102542, 1x102543, 2x102538 1x102542, 1x102543, 2x102538	2x102544	1x102542, 1x102543, 2x102538 1x102542, 1x102543, 2x102538
SEALING KIT				
	1x111099, 2x102538 1x111099, 2x102538	1x111099, 2x102538 1x111099, 2x102538	2x102513	1x111099, 2x102538 1x111099, 2x102538

KUPPEL VALVES REGULATORS

The dome-loaded pressure regulators in the AMT product portfolio are labelled with a “K”.

A regulating unit is required to prevent occasional pressure variations in the medium network from reaching the torches. Combine with AMT Gega flow controllers or AMT Gega fine adjustment valves to achieve ideal torch settings. Many equipment options are available to comply with specific customer requirements.

The advantages of this regulator are in the compact construction. In addition, the unit can be controlled electrically from the console, depending on the selected equipment variant, making the manual adjustment of pressure settings in a danger zone obsolete. A further performance characteristic is the comparably high medium throughput.



K 20



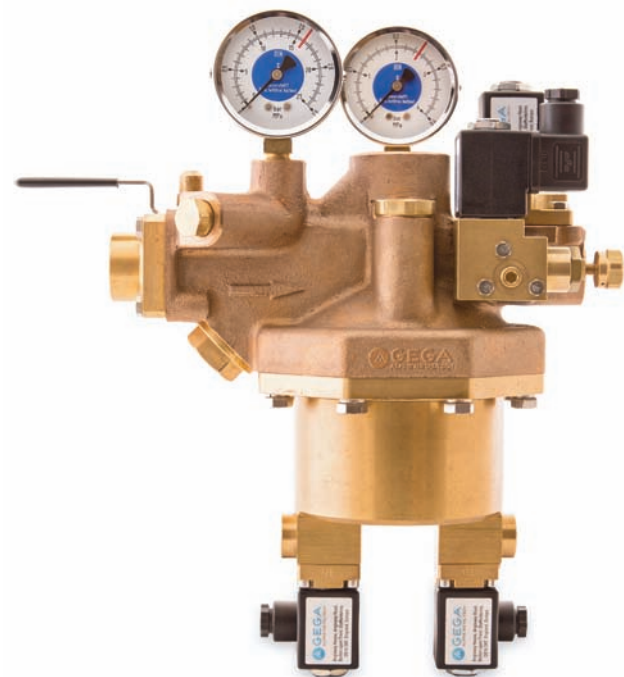
KB 42

MAIN CHARACTERISTICS

Product	KB-S
Max. pressure K 20	40 bar
Max. pressure KB(S) 42	50 bar

TYPE	K 20	KB(S) 42	KB(S) 42	KB(S) 42
CONNECTION				
Inlet 1	G 3/4" M	M64X 4 F	Flange DN50/ 60.3 PN40	G 1 1/4" LH M
Outlet 1	G 3/4" M	M64X 4 F	Flange DN50/ 60.3 PN40	G 1 1/4" LH M
REGULATE				
KB / A	electrical	electrical	electrical	electrical
KB / B	electrical	electrical	electrical	electrical
KB / C	manual	manual	manual	manual
CONTROL				
KB / A	internal	internal	internal	internal
KB / B	external	external	external	external
KB / C	external	external	external	external
MEDIUM	CPM, Oxygen	CPM, Oxygen	CPM, Oxygen	CPM, Oxygen
MATERIAL	Brass	Brass or stainless steel	Brass or stainless steel	Brass or stainless steel
SEALING KIT (ITEM NO.)	102686	106503	106503	106503

GK REGULATORS



MAIN CHARACTERISTICS

Operating media	Heating gas, oxygen
Application	Regulation of prepressure for required system pressure
Main parts	Solid die casting housing. inlet-ballvalve. dirt trap. lockable pressure gauges. adjusting toggle for pressure adjusting
Optional	Main Solenoid valve. Bypass valve for the integrated pilot flame (with Solenoid valve if required)
Pressure	Maximal inlet pressure 40 bar Maximal outlet pressure 37.7 bar Operating pressure 0.5 to 18 bar
Weight	10 to 12 kg depending on version
Product variations	
All GK series contain two versions:	
- Single outlet	
- Double outlet (for using 2 torches)	
Type S	Bypass with Solenoid valve (w/o Manometerconnector)
Type CG	Bypass with manometerconnector (w/o solenoid valve)
Type SG	Bypass with solenoid valve and manometerconnector
Item no.:	Available on request

