

# PRESSURE REGULATOR

## EQA 956

Type 956 Integrated regulators are piloted self-operated gas pressure regulators suited for high or low inlet pressures that deliver constant outlet pressures downstream.

They are composed of a main body, in which fail to open, fail to close operative regulating heads and SSV are integrated, each with their corresponding 959 line pilots. This structure provides great versatility of functions, depending on the specific operative requirements. It can vary from only one regulator to two, or incorporate safety shut off valve.

Regulating heads and SSV operate with seats and shutters completely independent from one another and with their own pilots. This makes them function as actual different regulating or blocking units.

Integrated regulators type 956 allow for remote modifications of pilot settings. These units can be connected to more complex control systems such as SCADA or similar.

Regulators type 956 allow for the incorporation of internal silencers. These help in diminishing the noise produced by abrupt changes in pressures to values accepted by current regulations.

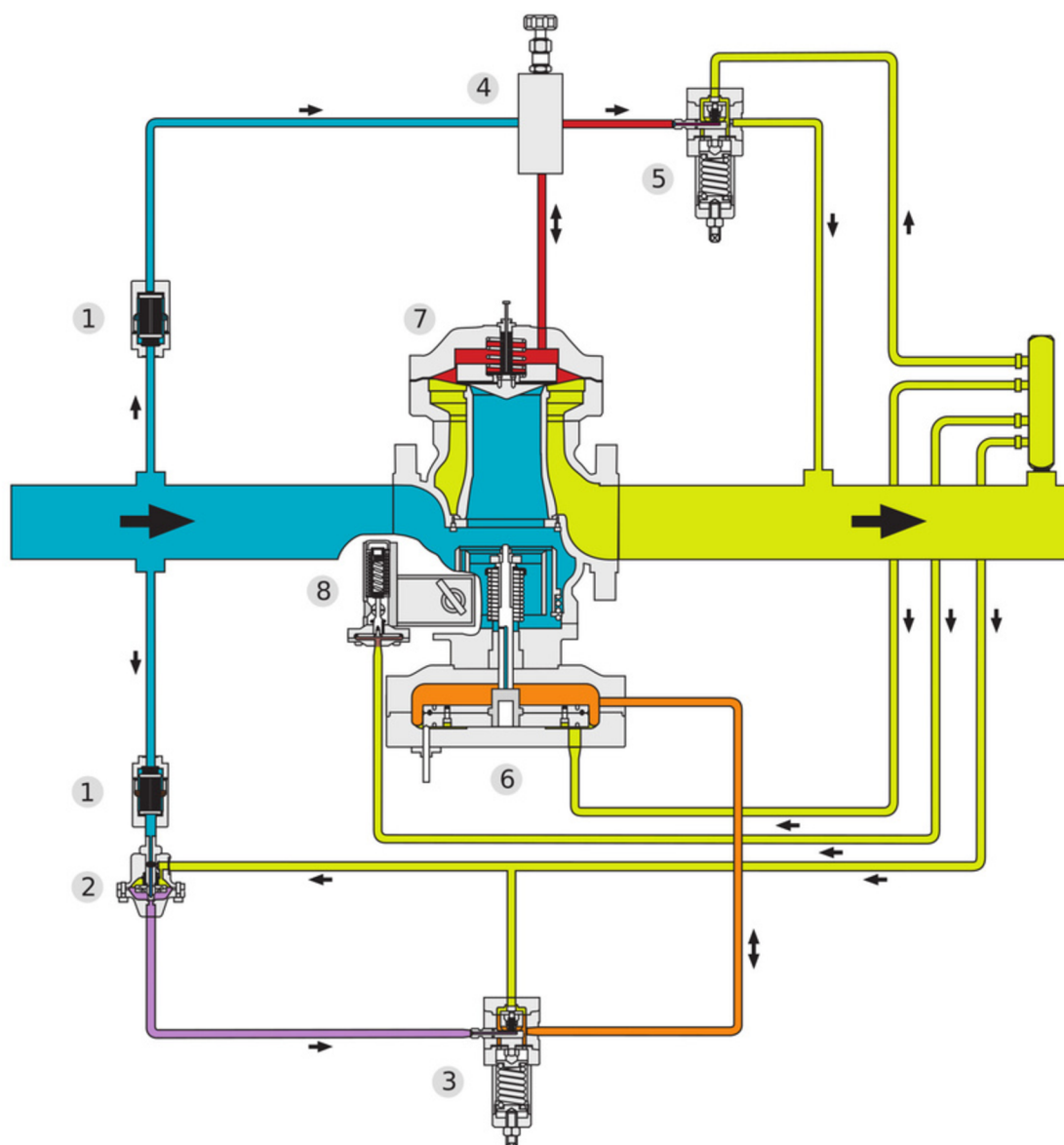
### MATERIALS

**BODY:** Nodular cast iron (S150)

**BODY:** Carbon steel ASTM A 216 WCB (S300/S600)

**INTERNALS:** Stainless and elastomer










The indicated pressure tubings (upstream) are already connected to the body. At instalation **ONLY** downstream pressure tubings should be connected. This scheme is indicative and can be different from actual configuration.

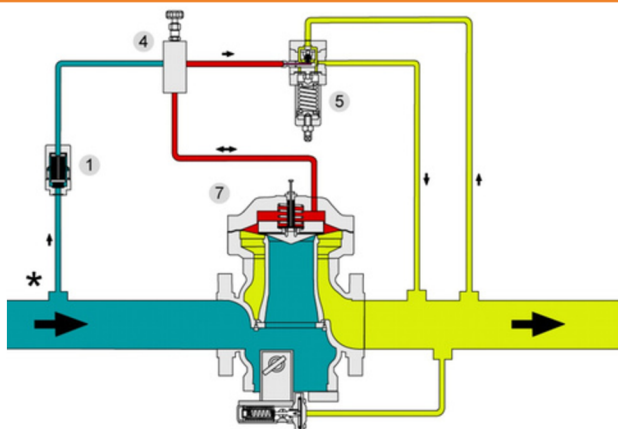
## References

1. Filter
2. Feeder
3. Monitor Regulator Pilot
4. Needle Valve and Retaining Valve
5. Active Regulator Pilot
6. Monitor Regulator
7. Active Regulator
8. Slam Shut Device

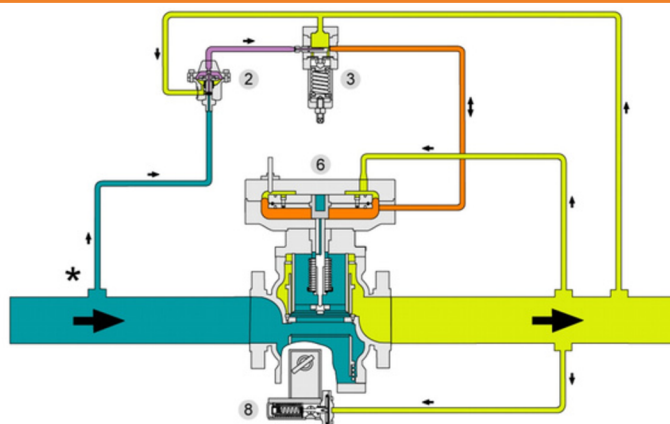
-  Inlet Pressure
-  Outlet Pressure
-  Feeding Pressure
-  Active Regulator Command Pressure
-  Monitor Regulator Pressure



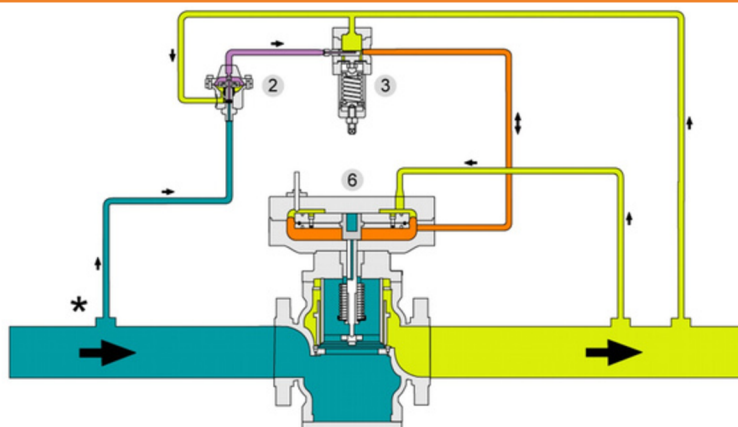
Worker DFTO + SSV



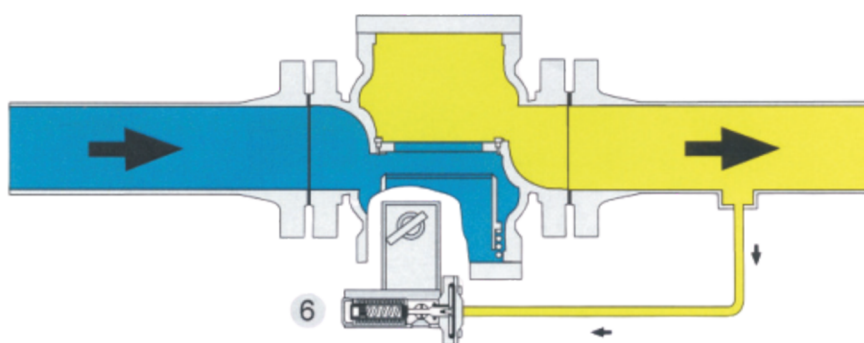
Monitor FC + SSV



Monitor FC



SSV



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DIMENSIONS FORMULAS

Critical condition P1>=2P2

$$Cg=\frac{Q}{6,97 \cdot P_1} \sqrt{d \cdot (273,15 + t)}$$

Subcritical condition P1<2P2

$$Cg=\frac{Q}{13,94} \sqrt{\frac{d \cdot (273,15 + t)}{P_2 (P_1-P_2)}}$$

Q= Flow measured in Sm³/h  
P1= Absolute inlet pressure  
P2= Absolute outlet pressure  
d= Specific gravity  
t= Temperature measured in °C

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CAPACITY CHART

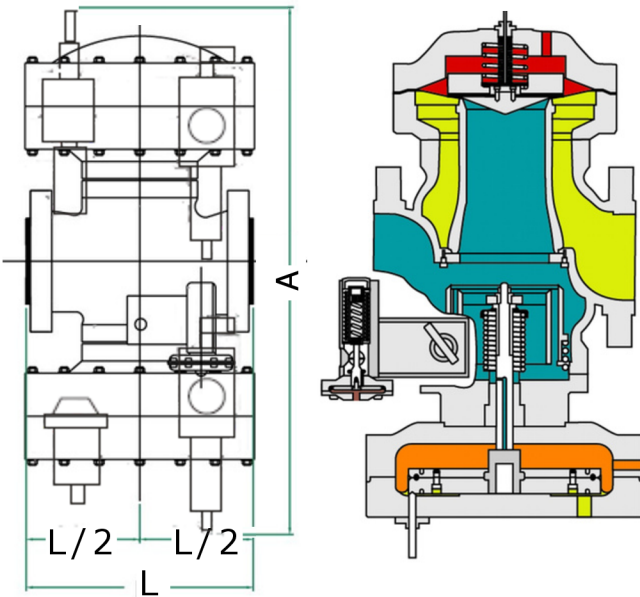
Ø Nominal	1"	2"	3"
CG	580	2300	4700
CI	29	29	29

FACE-TO-FACE DIMENSIONS

Ø Nominal	1"	2"	3"
ANSI 150	184	254	298
ANSI 300	197	267	318
ANSI 600	210	286	337

INSTALLATION SCHEMA

Refer to the sales sector for information on the installation scheme of this model.



Model	A Height	B Depth
1"	600	500
2"	650	480
3"	680	600



At EQA, we strive to minimize our environmental impact through sustainable and responsible practices. Therefore, we encourage you to join our commitment and, at the end of the product's lifecycle, adhere to the current Municipal, Provincial, and National regulations regarding the classification, recycling, destruction, or disposal of the product, spare parts, non-reusable parts, and packaging. By doing so, we prevent environmental damage and promote reuse and recycling whenever possible. Thank you for your commitment and efforts in joining these actions.