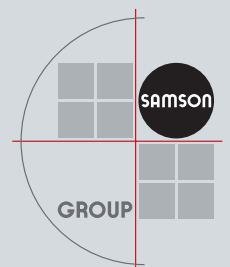
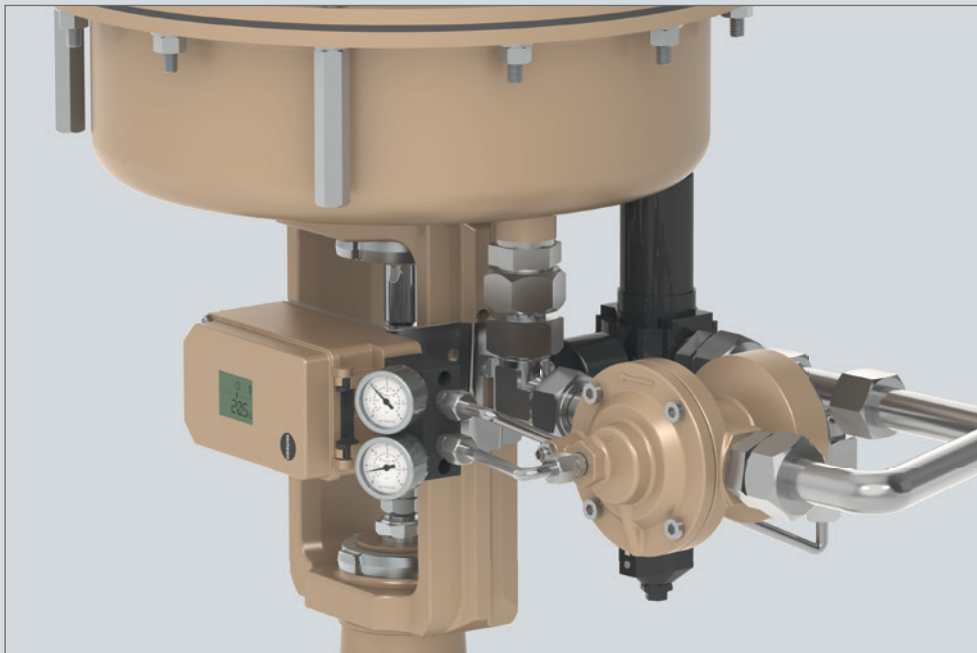


# Quick and Reliable

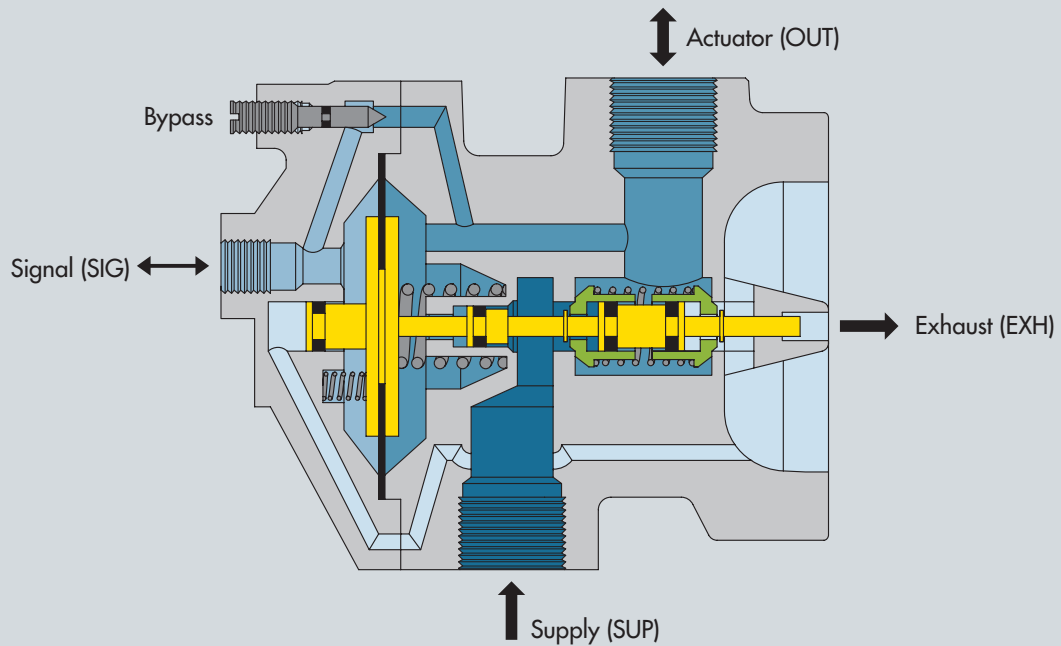
## Type 3755 Volume Booster

SAMSON

- Excellent control accuracy
- Fast dynamic response due to low hysteresis
- Linear characteristic of the bypass restriction
- Sintered polyethylene filter disk ensures low noise emissions
- Exhaust air feedback possible
- Low-temperature version



# Technical data



Control	Pressure ratio 1:1 (signal to output)
Flow coefficients	Filling: $K_{VS}$ 2.5 Venting: $K_{VS}$ 2.5
Response pressure	Up to 100 mbar depending on the version
Permissible ambient temperature	Standard temperature range: $-40$ to $+80$ °C Low temperature range: $-55$ to $+60$ °C
Pressure	Supply (SUP): max. 10 bar Signal (SIG) and actuator/output (OUT): max. 7 bar
Connecting threads	Supply (SUP): G $\frac{3}{4}$ (optionally $\frac{3}{4}$ NPT) Actuator/output (OUT): G $\frac{3}{4}$ (optionally $\frac{3}{4}$ NPT) Signal (SIG): G $\frac{1}{4}$ (optionally $\frac{1}{4}$ NPT) Exhaust port (EXH): G 1 (optionally 1 NPT)
Exhaust air	Noise reduction using sintered polyethylene filter disk or screwed flange

