

# Burner Control

Application note A061-GP99-0916A



◆ Burner

Bronkhorst offers mass flow meters with a close coupled motorized valve for integrated control of flows up to 5000 l<sub>n</sub>/min. Our digital D-6300 MASS-STREAM series is available with several options like a multi-functional display or additional interfaces.

In burner controls and similar applications customers need to maintain the gas supply even in case of complete power failures to avoid expensive over shut-downs etc. The valve stays in position (= fails in place) in case of a power blackout. These applications often do not need high control speed from 'fully closed' to 'fully open' due to 365 days - 24 hour steady continuous process. So the control speed is sufficient in comparison to direct operated valves. These control valves are not shut-off valves and they are not 100% gastight.



MASS-STREAM D-6383 DR

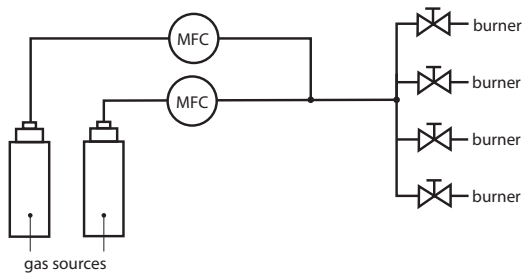
## Application requirements

- ◆ Valve should 'stay in position' in case of a power failure
- ◆ Flows up to 5000 l<sub>n</sub>/min Air equivalent
- ◆ 24 h steady continuous process
- ◆ K<sub>v</sub> value up to 4.4
- ◆ P<sub>max</sub> = 16 bar (g)

### Optional features

- ◆ Multi-functional display
- ◆ Additional interface

## Process solution



Schematic drawing

### Industrial sectors

- ◆ Glass
- ◆ Ceramics
- ◆ Metal
- ◆ Waste incineration
- ◆ Heat treatment
- ◆ Burner
- ◆ ...

### Summary of valve features

- ◆ Two models available: standard/degreased
- ◆ Degreased model for oxygen available
- ◆  $\Delta P_{max}$ : 16 bar(d)
- ◆ Body material: Brass
- ◆ Classification: IP54
- ◆ Valve function: Stays in position
- ◆ Motor replaceable without disassembling

## Contact information



### Burner Control

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GP: General Purpose  
99: Miscellaneous

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