



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Beam Stopper insert, Series 793, DN 160 (ID 6")

Ordering No. 79344-CE24-0001

Description

Flange	DN 160 CF-F
Actuator	Pneumatic double acting - with position indicator - without solenoid valve
Feed through	Bellows
Option	VAT Standard

Technical data

Leak rate	– To the outside	$< 5 \cdot 10^{-10}$ mbar ls ⁻¹
Pressure range		UHV to 1 bar (abs)
Test pressure		1 bar
Cycles until first service		≤ 5'000
Bake-out temperature (Maximum values: depending on operating conditions and sealing materials)	– Actuator – Position indicator	≤ 80 °C ≤ 80 °C
Heating and cooling rate		≤ 80 °C h ⁻¹
Material	– Bonnet flange – Absorber plate – Bellows	1.4301, AISI 304 copper 1.4435, AISI 316 L
Absorber plate (water cooled) Regular use	– Max. beam load Beam Ø < 60 mm Beam Ø > 60 mm – Max. density	5 kW 6 kW 25 W/mm ²
Mounting position		any
Radiation resistance	– Actuator – Position indicator	10 ⁵ Gy (10 ⁷ rad) 10 ⁵ Gy (10 ⁷ rad)
Volume of pneumatic actuator		0.49 l / 0.01 ft ³
Compressed air min. – max. overpressure		4 - 7 bar / 55 - 100 psig
Compressed air connections		G ¹ / ₈ " (USA: ¹ / ₈ " NPT)
Cooling water	– Min. quantity of cooling water – Max. water temperature (supply) – Max. cooling water supply	15 l/min 15°C 8 bar
Cooling water connection		G ¹ / ₄ " (USA: ¹ / ₄ " NPT)

Created by: Kurt Sonderegger	Release date: 19.10.2016	1 of 2
Modified by:	Release date:	865131EA



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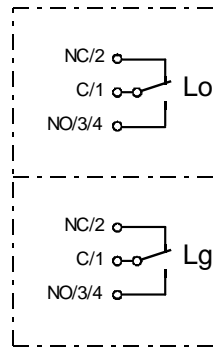
Action at power failure	- Stopper closed - Stopper open	depends on control depends on control
Action at compressed air failure	- Stopper closed - Stopper open	undefined undefined
Actuation time (valid for RT, Ø6mm tubing at 4 bar with flow rate of 400 l/min)	- Closing - Opening	≤ 2.0 sec ≤ 2.0 sec
Weight		app. 11 kg / 25 lbs

Electrical connections

Position indicator

Type	micro switch
Voltage	≤ 50 V AC / DC
Current max.	≤ 1.2 A

Wiring diagram



Lo = position indicator «open»
Lg = position indicator «closed»

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