

## Annular gap flushing and overpressure enclosing DS

The flushing system of the annular gap prevents jamming of the annular sealing lip and clears the gap.

The positive pressure housing protects the shaft bearing from infiltration of moisture from wet, oily or sticky bulk goods.

For flushing, pressurized air or inert gas may be used.

<b>Bulk goods temperatur</b>	<b>R1DS</b>	-25 °C ... +150 °C	$T_{(Process)}$
	<b>R5DS</b>	-25 °C ... +260 °C	
	<b>R7DS</b>	-25 °C ... +260 °C	
	<b>R8DS</b>	-25 °C ... +500 °C	
<b>Vessel pressure</b>		-0.5 bar ... 5 bar	$p_{(Process)}$
		Higher pressure on request	
<b>Flushing gas</b>		Pressurized air or inert gas Oil and water free Cleanliness depends on hygiene requirements	
<b>Pressure of the Flushing gas</b>		4 bar ... 8 bar minimum 2 bar over the vessel pressure	
<b>Flushing gas Consumption</b>		approx. 0.2 NI/min	
<b>Compressed air Connection</b>		Hose nozzle Ø 8 x 1	

The Technical Data presented here are to be considered as maximum values, relating only to the equipment described herein. Depending on the selection of options and instruments used, these data must be considered or reduced correspondingly.

## Safety instructions

The installation, initial operation, removal, maintenance and repair has to be carried out by qualified experts with know-how about handling of pressure equipment and pneumatic pressure units.

Take notice of the specifications on the data plate.

The maximum pressure and temperature given by the data plate have to be noticed and must be observed.

The devices have to be removed and dismantled in pressure-free condition only.

## Special conditions by the application with

Dust 

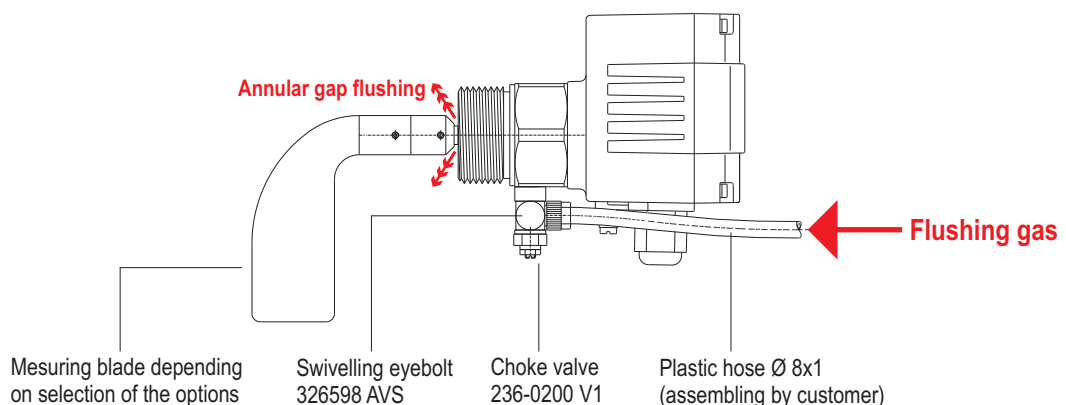
## and with

Gas+Dust   
and **hybrid mixtures**

As flushing gas only such gases are to be used that leads to no danger of explosion (e.g. pressurized air or inert gas).

## Schematic

Shown here is just the principle of the flushing gas connection, of the flushing gas supply and also of the annular gap flushing. The contours of the control head, jib and measuring blade may differ from this drawing.



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