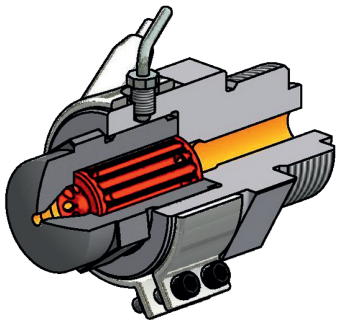
overflow filtersystem for non shear- and friction sensitive material

OFS-FILTERNOZZLE TYPE SF



That **OFS**-filternozzle is well suitable for processing non shear- and friction sensitive materials.

APPLICATION FIELDS:

The **OFS**-filternozzle type SF is well suitable for processing of unreinforced standard materials (f.e. PP, PS, ABS, PA). That nozzle is not recommend for processing of shear- and friction sensitive materials (f.e. POM, PVC, PC). By changing the flow direction during the injection, the nozzle has an additional homogeniziation and mixing effect.

CLEANING EFFORT:

very simple cleaning
(screw out and screw in of nozzlehead)

FILTRATION GAPS:

filterinserts with filtration gap up from S = 0,2 mm are available.

HANDLING:

1. Lift of aggregate.
2. Spray off.
3. Pressure relief (move back the screw).
4. Screw out nozzlehead (ring spanner is included in the delivery).
5. Take out filterinsert.
6. If necessary, remove remaining material carefully.
7. Install the changing-set (nozzlehead and filterinsert) and tighten it (handle thread with heat resistant molycote).
8. Start again injection moulding process.
9. Clean changing-set (nozzlehead and filterinsert) for next cleaning-process.

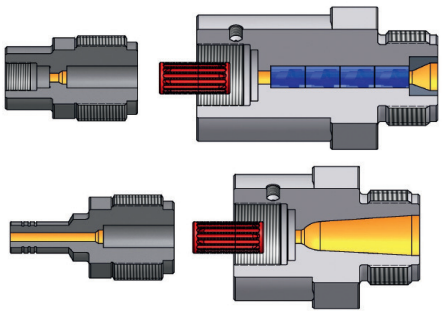
SHOT WEIGHTS:

The possible shot weight is dependent on the material, the filtration gap and the injection time. The **OFS**-filternozzle type SF is offered in four sizes. As a clue, the following datas can be used (filtration gap S = 0.6 mm and material PS)

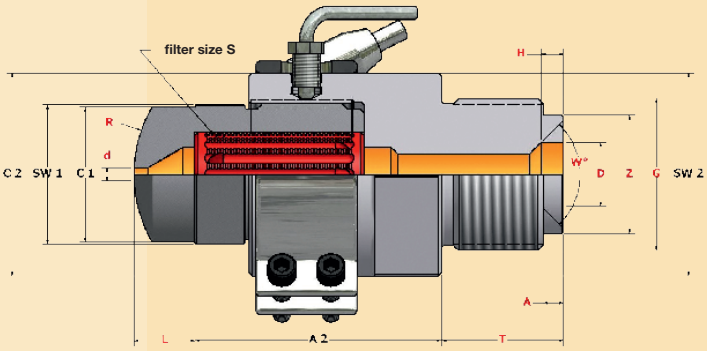
type SFI - appr. 200 g
type SFII - appr. 400 g
type SFIII - appr. 1.200 g
type SFV - appr. 3.000 g

MORE OPTIONS:

- with shut-off function
- nozzlehead with dip nozzle
- nozzlehead with interior thread
- nozzlebase with needle seat
- with mixing insert etc.

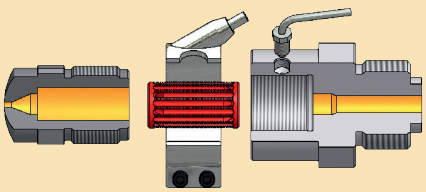


OFS-filternozzle type SF with optional inner thread, mixing insert, needle seat and dip nozzle.

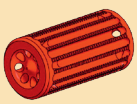


DATA AND STANDARD DIMENSIONS (mm)

		SFI	SFII	SFIII	SFV
possible shot weight*	gr.	200	400	1.200	3.000
max. injection pressure	bar	3.000	3.000	3.000	2.800
length	A2	55	71	71	109
nozzlehead dia	C1	24	40	40	40
nozzlebase dia	C2	40	60	60	90
hexagon nozzlehead	SW1	27	41	41	60
hexagon nozzlebase	SW2	41	60	60	80



OFS-filternozzle type SF „components“



OFS-filterinsert

REQUIRED MEASUREMENTS		
machine thread	G	
T/A/D/Z/W°/H		specify if required
filtration gap	S	
length of nozzlehead	L	
drill	d	
radius / surface	R	

REQUIRED PARAMETERS		
material (MFI)		
shot weight	gr.	
melt temperature	°C	
injection time	sec	
injection pressure spec.	bar	
machine type		
screw dia.	mm	