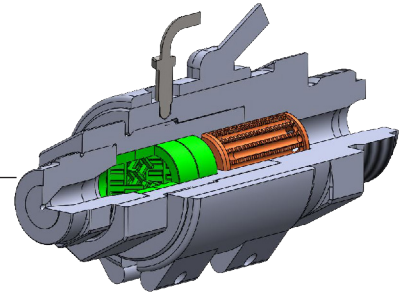


the right balance between sustainability and process reliability



OFS-RECYCLATENOZZLE TYPE RDSF



well suitable for processing non shear- and friction sensitive standard materials

APPLICATION FIELDS:

The **OFS**-recyclatenozzle type RDSF paves the way to a sustainable circular economy and enables also a higher process reliability, plus cost reductions in the injection molding process.

The filterinsert protects the hotrunner or the gate system against foreign bodies. The integrated mixinginsert ensures the optimal homogenization of the melt.

The **OFS**-recyclatenozzle type RDSF he **OFS**-recyclatenozzle type RDSF is suitable for processing all unreinforced standard-plastics (e.g. PE, PP, ABS, PA). The nozzle is not suitable for processing thermally- and shear-sensitive plastics (e.g. POM, PVS, PC).

Because of the special design, the nozzle has a huge filtration surface to a relatively small installation size.

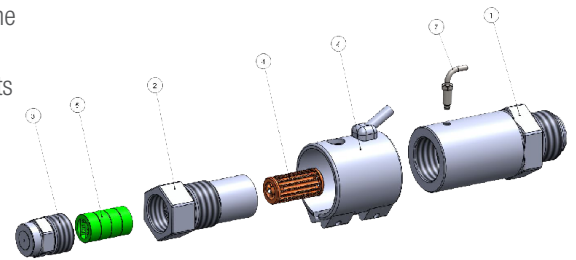
The size of the nozzle is dependent on the screw dia, the existing hotrunner / gate system, the material (MFI), the injection rate and the current pressure ratio.

YOUR BENEFIT:

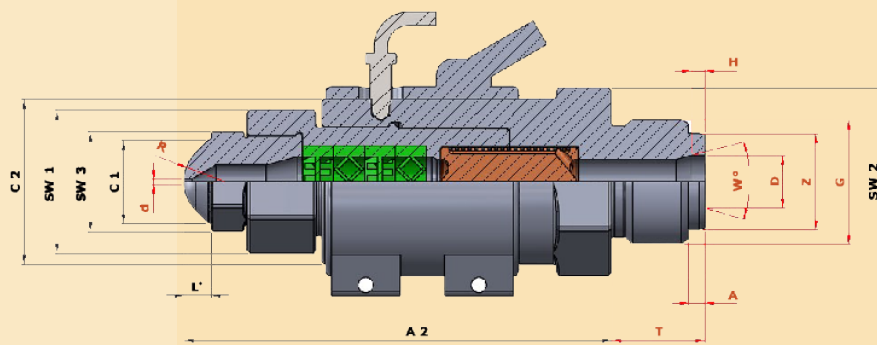
- ▶ no foreign bodies in hotrunner / gate system
- ▶ thermal homogeneous melt
- ▶ homogeneous melt viscosity – especially at high percent of recycle
- ▶ tighter tolerances, higher surface quality at the mold parts, less rejects
- ▶ homogeneous color
- ▶ higher process reliability / less downtime
- ▶ lower maintenance costs
- ▶ amortization through production benefits within shortest time

PRODUCT FEATURES:

- ▶ modular, robust construction
- ▶ easy handling / cleaning
- ▶ all parts can be delivered separately
- ▶ delivery includes heater and thermocouple
- ▶ flexible, customer-specific design
- ▶ easy to retrofit
- ▶ suitable for all injection molding machines
- ▶ optimal rheological design
- ▶ easy to maintain



exploded view of the OFS-recyclatenozzle type RDSF



DATA AND STANDARD DIMENSIONS (mm)

Sizes		RDSF I	RDSF II	RDSF III	RDSF V
appr. screw dia	mm	bis 30	30-50	50-70	70-120
max. injection pressure	bar	2.000	2.000	2.000	2.000
filtration gap S (standard S**)	mm	0,6	0,8	1,2	1,5
length (at standard L*)	A2	58	107	155	251
nozzlehead dia	C1	17	40	30	40
nozzlehead length L (standard)	L	5	10	10	25
nozzlebase dia	C2	35	60	60	110
hexagon nozzlehead	SW 1	-	-	46	80
hexagon nozzlebase	SW 2	-	60	60	90
hexagon nozzletip	SW 3	27	41	32	60

REQUIRED MEASUREMENTS

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

REQUIRED PARAMETERS

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