Flow valves





Throttle valve type ED, restrictor check valve type RD and RDF

Throttle valves are a type of flow valve. They affect the volumetric flow for single and double-acting consumers.

The valve type ED, RD and RDF can be integrated directly in the line.

Features and benefits:

- Sensitively adjustable
- Wear-resistant

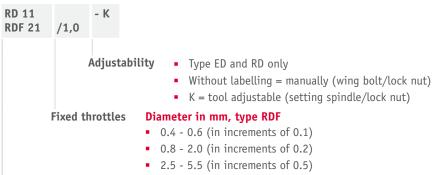
Intended applications:

General hydraulic systems



Nomen- clature:	Throttle Restrictor check valves
Design:	Individual valve for pipe mounting Screw-in valve
Adjustment:	Manually adjustable (handle, adjusting knob) Tool adjustable
p _{max} :	500 bar
Q _{max} :	12130 lpm

Design and order coding example



- Basic type, size
- Type ED, type RD, type RDF, size 1 to 5
- Slot-type throttles, available with or without built-in check valve

Function

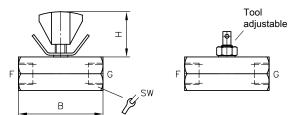




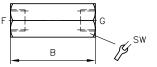


General parameters and dimensions

ED.. and RD..



RDF..



1)	Q _{max} [lpm] ²⁾	p _{max} [bar]	Ports (BSPP)	Dimensions [mm]			m [g]
				Н	В	SW = a/f	
ED 11	12	500	G 1/4	23.5	52	SW 24	180
RD 11				23.5			
RDF 11/				-			
ED 21	30	500	G 3/8	24	52	SW 27	215
RD 21				24			
RDF 21/				-			
ED 31	60	500	G 1/2	32.5	62	SW 32	340
RD 31				32.5			
RDF 31/				-			
ED 41	80	500	G 3/4	41	72	SW 41	655
RD 41				41			
RDF 41/				-			
ED 51	130	500	G 1	46.5	82	SW 46	835
RD 51				46.5			
RDF 51/				-			

- 1) The throttle diameter with type RDF canbe only altered by replacing the orifice. Depending on size, diameters between 0.6 and 4 mm are available.
- 2) These figures correspond to completely opened throttle and represent a back pressure of approx. 50 bar (throttled direction of flow)

Associated technical data sheets:

 Throttle and restrictor check valves type ED, RD and RDF: <u>D</u> 7540, <u>D</u> 2570

Similar products:

- Throttle valves type Q, QR, QV, FG: <u>D 7730</u>, <u>D 7275</u>
- Throttle valve and throttle check valve type CQ, CQR and CQV: D 7713
- Restrictor check valves type EB, BE, BC: <u>D 6465</u>, <u>D 7555 B</u>, <u>D 6969 B</u>