

# **Dokumentation**

***Edelstahl-Rückschlagventile  
leichte Bauform  
- Typ RUCK ... ES, RUCK ... ES 4A -***



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## 2. Artikelnummern und technische Daten

### Edelstahl-Rückschlagventile leichte Bauform

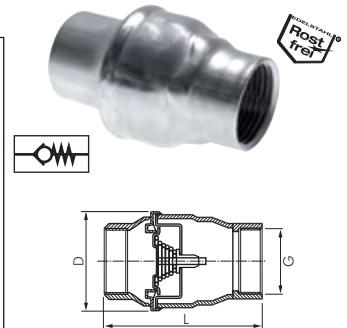
PN 16 ★★★★★

Werkstoffe: Gehäuse: Edelstahl, Dichtung: FPM, Führungsring: PTFE

Temperaturbereich: -20°C bis max. +150°C

Einsatzbereich: Wasser (kein Dampf), neutrale, gasförmige und flüssige nicht aggressive Medien, Mineralöle, Druckluft

Typ	Typ	G	L	D	Öffnungsdruck
1.4301	1.4401				
RUCK 14 ES	RUCK 14 ES 4A	G 1/4"	55	32	0,03 bar
RUCK 38 ES	RUCK 38 ES 4A	G 3/8"	55	32	0,03 bar
RUCK 12 ES	RUCK 12 ES 4A	G 1/2"	55	32	0,03 bar
RUCK 34 ES*	RUCK 34 ES 4A	G 3/4"	70	44	0,03 bar
RUCK 10 ES*	RUCK 10 ES 4A	G 1"	84	53	0,03 bar
RUCK 114 ES*	RUCK 114 ES 4A	G 1 1/4"	99	62	0,03 bar
RUCK 112 ES*	RUCK 112 ES 4A	G 1 1/2"	119	78	0,03 bar
RUCK 20 ES*	RUCK 20 ES 4A	G 2"	123	89	0,03 bar
RUCK 212 ES**	RUCK 212 ES 4A**	G 2 1/2"	147	113	0,03 bar
RUCK 30 ES**	RUCK 30 ES 4A**	G 3"	166	132	0,03 bar
RUCK 40 ES**	RUCK 40 ES 4A**	G 4"	193	167	0,03 bar



\* Optional: NPT-Gewinde -NPT

\*\* nur für Flüssigkeiten

Bestellbeispiel: RUCK 34 ES \*\*

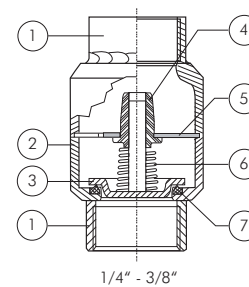
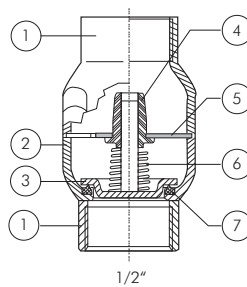
Kennzeichen der Optionen:

NPT-Gewinde .....-NPT

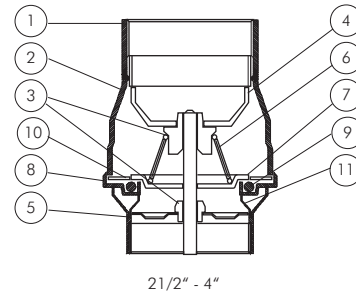
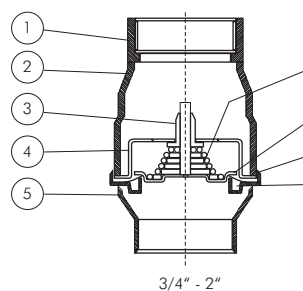
Standardtyp

## 3. Teilebezeichnung

Teilenummer	Bezeichnung
1	Gewindeanschlüsse
2	Ventilkörper
3	Scheibe
4	Führungsring
5	Buchsenstützring
6	Feder
7	Dichtungsring

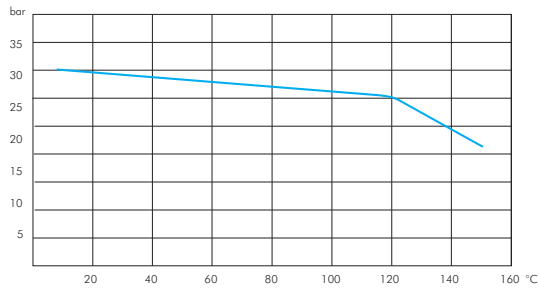


Teilenummer	Bezeichnung
1	Ausgang
2	Ventilkörper
3	Führungsring
4	Kegelführung
5	Eingang
6	Feder
7	Scheibe
8	Dichtungsgehäuse
9	Dichtring
10	Arretierung
11	Stützring

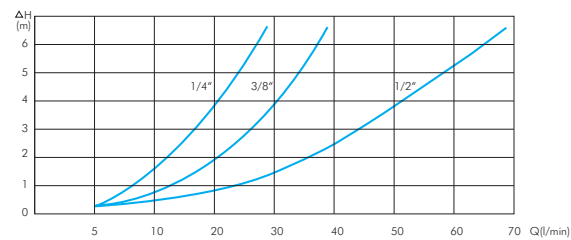


## 4. Diagramme

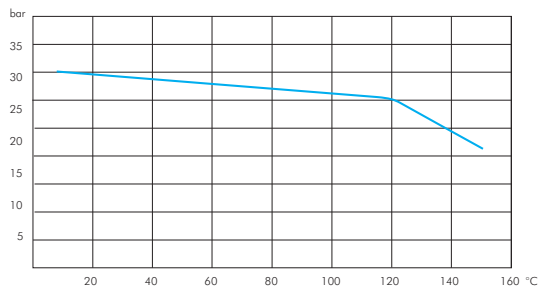
Druck-Temperatur-Diagramm RUCK 14/38/12 ES / ES 4A



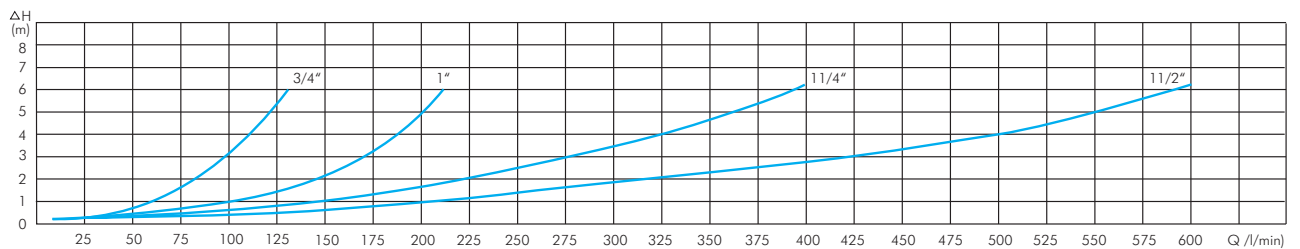
Durchfluss-Diagramm RUCK 14/38/12 ES / ES 4A



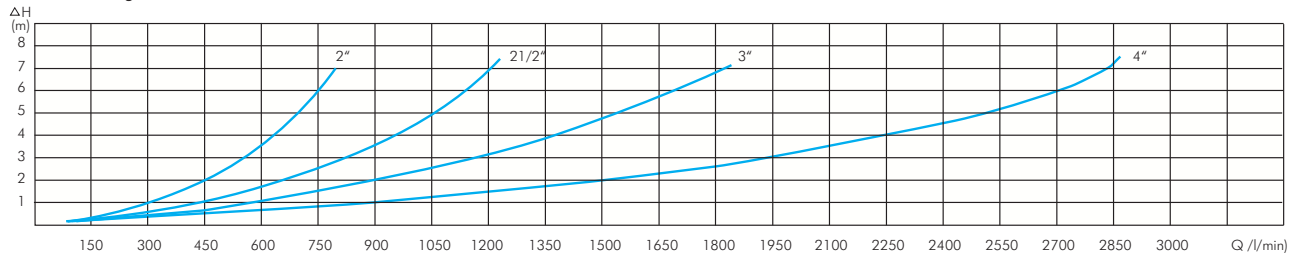
Druck-Temperatur-Diagramm RUCK 34 bis 40 ES / ES 4A



Durchfluss-Diagramm RUCK 34/10/114/112 ES / ES 4A



Durchfluss-Diagramm RUCK 20/212/30/40 ES / ES 4A



# Documentation

***Stainless steel check valves  
of lightweight design  
- Typ RUCK ... ES, RUCK ... ES 4A -***



## 1. Content

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## 2. Articlenunder and technical data

### Stainless steel check valves of lightweight design

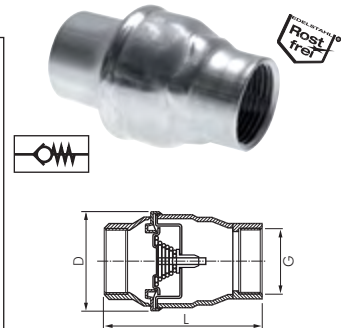
PN 16 ★★★★★

Materials: Standard type: Housing: 1.4301, seal: FPM, 1.4401 type: Housing: 1.4401, seal: FPM, guiding ring: PTFE

Temperature range: -20°C to max. +150°C

Operating range: Water (no steam), neutral, gaseous and non-aggressive, liquid media, mineral oils, compressed air

Typ	Typ	G	L	D	Öffnungsdruck
1.4301	1.4401				
RUCK 14 ES	RUCK 14 ES 4A	G 1/4"	55	32	0,03 bar
RUCK 38 ES	RUCK 38 ES 4A	G 3/8"	55	32	0,03 bar
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RUCK 212 ES**	RUCK 212 ES 4A**	G 2 1/2"	147	113	0,03 bar
RUCK 30 ES**	RUCK 30 ES 4A**	G 3"	166	132	0,03 bar
RUCK 40 ES**	RUCK 40 ES 4A**	G 4"	193	167	0,03 bar



\* Optional: NPT thread -NPT

Ordering example: RUCK 34 ES \*\*

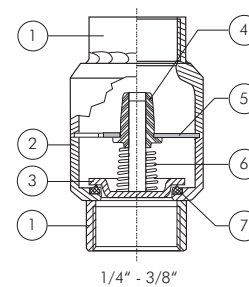
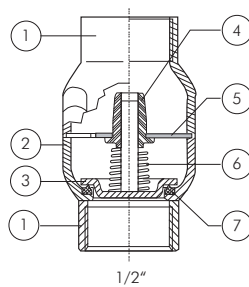
\*\* nfor liquids only

Optional:  
NPT-Thread . . . . .-NPT

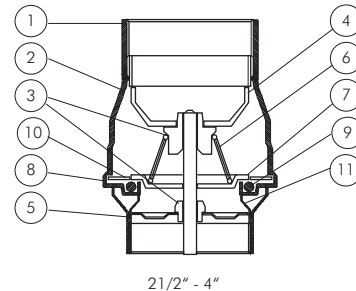
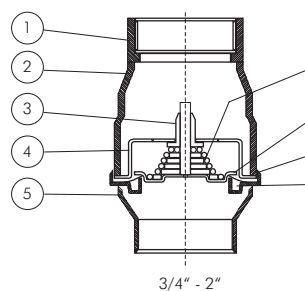
Standardtype

## 3. Part number

Part number	Components
1	Threaded ends
2	Body valve
3	Flow control disk
4	Guide bush
5	Bush support
6	Spring
7	Seal ring

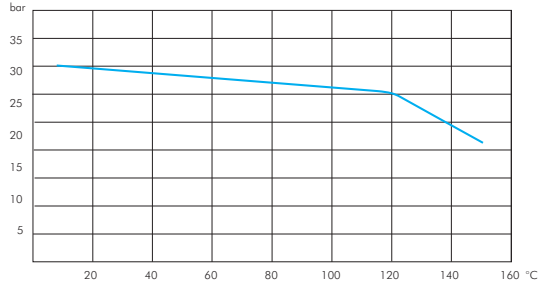


Part number	Components
1	Outlet end
2	Valve body
3	Guide bush
4	Flow control disk guide
5	Inlet end
6	Spring
7	Flow control disk
8	Seal ring housing
9	Seal ring
10	Seal ring retainer
11	Seal ring support

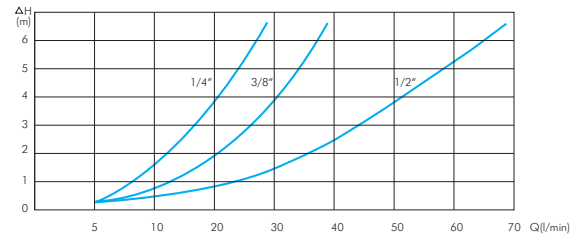


## 4. Diagrams

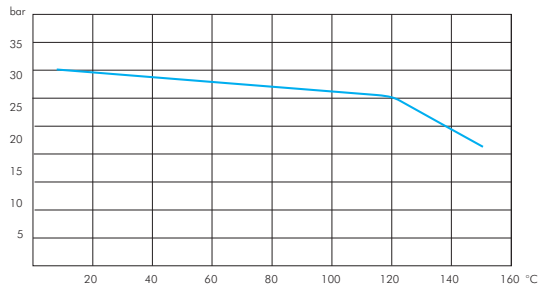
Pressure-temperature-diagram RUCK 14/38/12 ES / ES 4A



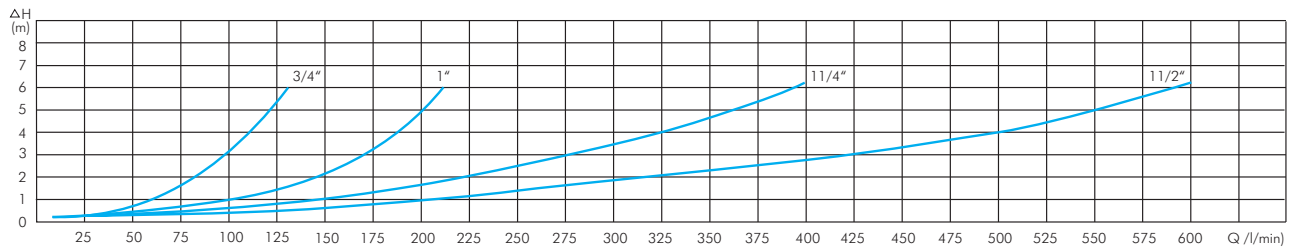
Friction losses diagram RUCK 14/38/12 ES / ES 4A



Pressure-temperature-diagram RUCK 34 bis 40 ES / ES 4A



Friction losses diagram RUCK 34/10/114/112 ES / ES 4A



Friction losses diagram RUCK 20/212/30/40 ES / ES 4A

