

## Overflow valve TYPE UV13



### Specification:

Flange-Overflow valves for the protection of pumps against overloading in closed circuits.

### Product features:

- suitable for neutral and non-neutral liquids, gaseous media and for steam.
- Can be set and adjusted during the operating conditions
- TA Air TUV-No. 922-9241371
- Free of maintenance
- Standard with bellow seal
- Installation in upright position, bonnet showing upwards

### Connection:

DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100

### Temperature:

-10°C to +450°C  
depending on design

### Pressure range:

0,5 bar – 10,0 bar  
depending on design

### Materials:

Pos.	Item	UV13 grey cast iron	UV13 ductil iron	UV13 carbon steel	UV13 stainless steel
1	Body	EN-JL1040	EN-JS1049	1.0619	Stainless steel 1.4408
1.2	Seat	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ	--
3	Stud	1.7218	1.7218	1.7281	A4-70
4	Stem guide	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ
5	Guide housing	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ	1.4571
6	Gasket	Pure graphite	Pure graphite	Pure graphite	Pure graphite
7	Gasket	Pure graphite	Pure graphite	Pure graphite	Pure graphite
8	Hexagon nut	C35E	C35E	C35E	A4
9	Travel limiter	1.4571	1.4571	1.4571	1.4571
11	Bonnet	EN-JL1040	EN-JS1049	EN-JS1049	1.4408
12	Plug unit	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ
14	Stem unit	1.4571	1.4571	1.4571	1.4571
15	Gasket	Pure graphite	Pure graphite	Pure graphite	Pure graphite
16	Spring plate	1.4571	1.4571	1.4571	1.4571
17	Adjusting screw	X20Cr13+QZ	X20Cr13+QZ	X20Cr13+QZ	1.4571
21	Lock nut	1.0715+C	1.0715+C	1.0715+C	1.4571
26	Spring plate	1.4571	1.4571	1.4571	1.4571
30	Cap gastight	EN-JS1049	EN-JS1049	EN-JS1049	1.4571
37	Compressions spring	FDSiCr	FDSiCr	FDSiCr	FDSiCr

**Dimensions:**

Diameter DN	15	20	25	32	40	50	65	80	100	
Face-to-Face acc. FTF series 1 according to DIN EN 558										
L in mm	130	150	160	180	200	230	290	310	350	
H in mm	230	230	290	300	325	330	400	440	500	
Kvs-value m3/h	2	2,5	3	5	10	20	22	29	45	
Seat- Ø mm	21	21	27	31	41	51	66	81	101	
Travel in mm	2	2	2,5	2,5	4	5,5	7	8	10	
Leakage	Leakage rate IV acc. to DIN EN 1349 ( $\leq 0,01\%$ from the nominal flow)									
weight	3,6	4,1	6,6	7,7	10,4	12,9	20,2	28,9	43,7	
Flange	Flange acc. DIN 1092-1/-2									
	ØD	95	105	115	140	150	165	185	200	220
PN16	ØK	65	75	85	100	110	125	145	160	180
	N x Ød	4x14	4x14	4x14	4x18	4x18	4x18	4x18	8x18	8x18

**Pressure-temperature-ratings:**

Intermediate values for max. permissible operational pressures can be determined by linear interpolation of the given temperature / pressure chart.

acc. DIN EN 1092-2	-10°C to 120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	
EN-JL1040	16 bar	16	14,4	12,8	11,2	9,6	--	--	
EN-JL1049	16 bar	16	15,5	14,7	13,9	12,8	11,2	--	
acc. company standard	-10°C to 120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	
1.0619+N	25 bar	25	23,9	22	20	17,2	16	14,8	8,2
acc. DIN EN 1092-1	-10°C to 100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	
1.4408	16 bar	16	14,5	13,4	12,7	11,8	11,4	10,9	--

**Structure Article number:**

Design	Pressure range	Materials	Size
<b>UV13</b>	<b>01 – 0,5-1,5 bar</b>	<b>01 – grey cast iron</b>	03 – DN15
	02 – 1,0-3,0 bar	02 – ductil Iron	<b>04 – DN20</b>
	03 – 2,0-5,0 bar	03 – carbon steel	05 – DN25
	04 – 4,0-10,0 bar	04 – stainless steel	06 – DN32
			07 – DN40
			08 – DN50
			09 – DN65
			10 – DN80
			11 – DN100

**Example No. UV13010104:**

<b>UV13</b>	<b>01</b>	<b>01</b>	<b>04</b>
-------------	-----------	-----------	-----------

Article No. UV13010104  
 Overflow valve made of grey cast iron  
 Pressure range: 0,5 – 1,5 bar  
 Connection: Flange  
 Size: DN 20

Image similar, subject change without notice.

