

Check Valves



Overview:

- VU series are used in any type of hydraulic circuit.
- Alternative uses: as pressure sequence valve by adjusting the internal spring loading to the required "cracking point", according to the valve size

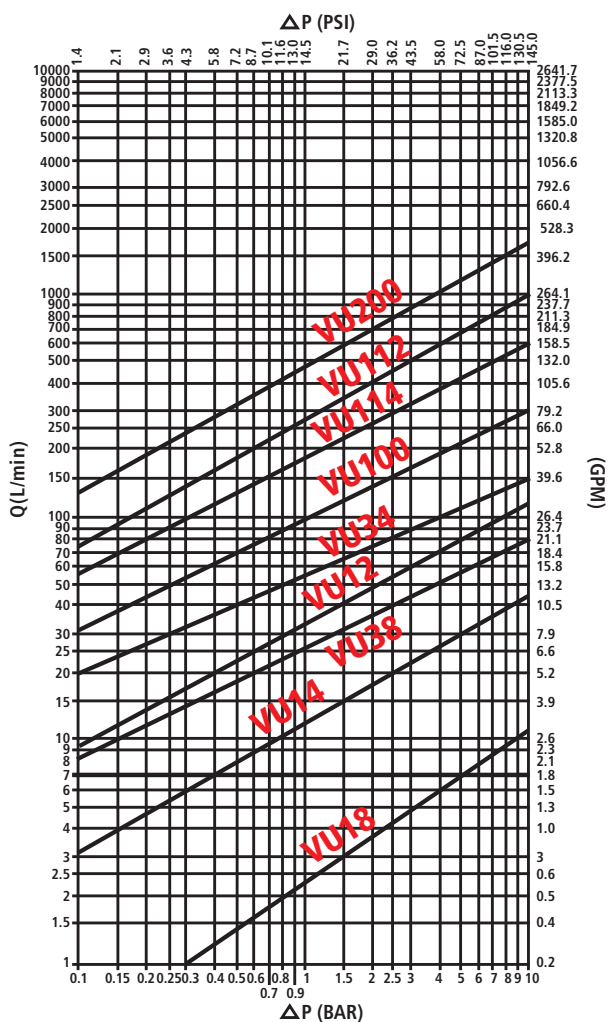
Instructions for use

- The VU series must be assembled in the circuit so that the direction of the flow corresponds to the direction of the arrow marked on the valve.

Series: VU

The Stucchi check valve design is safe, compact, suitable to any hydraulic application using non-corrosive liquids. The VU size-range includes two different standard openings at 5 to 65 PSI.

- Material: Steel with black phosphate
- Closing spring in C72 material
- Standard Crack 5psi & 65 psi
- Standard SAE and NPT threads
- Various crack pressures optional
- Central exhausting hole option
- Zinc plating available upon request



STUCCHI SERIES VU	NOMINAL SIZE INCH	ISO SIZE MM	MAX OPERATING PRESSURE bar	MAX OPERATING PRESSURE psi
VU18	1/8	5.0	400	5714
VU14	1/4	6.3	350	5000
VU38	3/8	10.0	350	5000
VU12	1/2	12.5	300	4285
VU34	3/4	16.0	300	4285
VU100	1	19.0	300	4285
VU114	1 ¼	25.0	250	3571
VU112	1 ½	31.5	250	3571
VU200	2	40.0	150	2100

Check Valves

Series VU – Check Valves NPT Thread



Crack Point	Body Size	Port Size	Thread Type	Order Code: Black Oxide	Order Code: Yellow Zinc	Part Description
5 psi	1/8	1/8	NPT	810201100	810501100	VU 18 NPT 5 PSI
5 psi	1/4	1/4	NPT	810201101	810501101	VU 14 NPT 5 PSI
5 psi	3/8	3/8	NPT	810201102	810501102	VU 38 NPT 5 PSI
5 psi	1/2	1/2	NPT	810201103	810501103	VU 12 NPT 5 PSI
5 psi	3/4	3/4	NPT	810201104	810501104	VU 34 NPT 5 PSI
5 psi	1	1	NPT	810201105	810501105	VU 100 NPT 5 PSI
5 psi	1 ¼	1 ¼	NPT	810201106	810501106	VU 114 NPT 5 PSI
5 psi	1 ½	1 ½	NPT	810201107	810501107	VU 112 NPT 5 PSI
5 psi	2	2	NPT	810201108	810501108	VU 200 NPT 5 PSI
5 psi	3/4	3/4	NPT	810201109	810501109*	VU 34F 1.5 NPT 5 PSI
5 psi	1	1	NPT	810201110	810501110*	VU 100F 1.5 NPT 5 PSI
5 psi	1/2	1/2	NPT	810201112	810501112*	VU 12EI NPT 5 PSI**

*Available upon special request. **Female x Male NPT

Series VU – Check Valves NPT Thread



Crack Point	Body Size	Port Size	Thread Type	Order Code: Black Oxide	Order Code: Yellow Zinc	Part Description
65 psi	1/8	1/8	NPT	810201400	810501400	VU 18 NPT 65 PSI
65 psi	1/4	1/4	NPT	810201401	810501401	VU 14 NPT 65 PSI
65 psi	3/8	3/8	NPT	810201402	810501402	VU 38 NPT 65 PSI
65 psi	1/2	1/2	NPT	810201403	810501403	VU 12 NPT 65 PSI
65 psi	3/4	3/4	NPT	810201404	810501404	VU 34 NPT 65 PSI
65 psi	1	1	NPT	810201405	810501405	VU 100 NPT 65 PSI
65 psi	1 ¼	1 ¼	NPT	810201406	810501406	VU 114 NPT 65 PSI
65 psi	1 ½	1 ½	NPT	810201407	810501407	VU 112 NPT 65 PSI
65 psi	2	2	NPT	810201408	810501408	VU 200 NPT 65 PSI

Series VU – Check Valves SAE Thread



Crack Point	Body Size	Port Size	Thread Type	Order Code: Black Oxide	Order Code: Yellow Zinc	Part Description
5 psi	1/4	1/4	SAE	810204100	810504100	VU 14 SAE 5 PSI
5 psi	3/8	3/8	SAE	810204101	810504101	VU 38 SAE 5 PSI
5 psi	1/2	1/2	SAE	810204102	810504102	VU 12 SAE 5 PSI
5 psi	3/4	3/4	SAE	810204103	810504103	VU 34 SAE 5 PSI
5 psi	1	1	SAE	810204104	810504104	VU 100 SAE 5 PSI
5 psi	1 ¼	1 ¼	SAE	810204105	810504105	VU 114 SAE 5 PSI
5 psi	1 ½	1 ½	SAE	810204106	810504106	VU 112 SAE 5 PSI
5 psi	2	2	SAE	810204107	810504107	VU 200 SAE 5 PSI



Call us at 847-956-9720, Fax at 847-956-9723, or visit us on the web www.stucchiusa.com

Series VU – Check Valves SAE Thread

Crack Point	Body Size	Port Size	Thread Type	Order Code: Black Oxide	Order Code: Yellow Zinc	Part Description
65 psi	1/4	1/4	SAE	810204400	810504404	VU 14 SAE 65 PSI
65 psi	3/8	3/8	SAE	810204401	810504401	VU 38 SAE 65 PSI
65 psi	1/2	1/2	SAE	810204402	810504402	VU 12 SAE 65 PSI
65 psi	3/4	3/4	SAE	810204403	810504403	VU 34 SAE 65 PSI
65 psi	1	1	SAE	810204404	810504400	VU 100 SAE 65 PSI
65 psi	1 ¼	1 ¼	SAE	810204405	810504405	VU 114 SAE 65 PSI
65 psi	1 ½	1 ½	SAE	810204406	810504406	VU 112 SAE 65 PSI
65 psi	2	2	SAE	810204407	810504407	VU 200 SAE 65 PSI



Series: VU – Check Valves NPT Thread

Crack Point	Body Size	Port Size	Thread Type	Order Code:	Part Description
14 psi	1/4	1/4	NPT	810201200	VU 14 NPT 14 PSI
14 psi	1/2	1/2	NPT	810201201	VU 12 NPT 14 PSI
14 psi	3/4	3/4	NPT	810201202	VU 34 NPT 14 PSI
14 psi	1	1	NPT	810201203	VU 100 NPT 14 PSI
14 psi	1 ¼	1 ¼	NPT	810201204	VU 114 NPT 14 PSI
14 psi	1 ½	1 ½	NPT	810201205	VU 112 NPT 14 PSI
21 psi	1	1	NPT	810201300	VU 100 NPT 21 PSI
57 psi	1/2	1/2	NPT	810201409	VU 12 NPT 57 PSI
115 psi	1/2	1/2	NPT	810201600	VU 12 NPT 115 PSI
115 psi	3/4	3/4	NPT	810201601	VU 34 NPT 115 PSI
145 psi	1	1	NPT	810201602	VU 100 NPT 145 PSI
215 psi	1/4	1/4	NPT	810201700	VU 14 NPT 215 PSI
290 psi	1/2	1/2	NPT	810201701	VU 12 NPT 290 PSI



DIMENSIONS

Item	Body Size	Size (MM)	A inch	B (mm)
VU 18	1/8"	5	1/8"	44
VU 14	1/4"	6.3	1/4"	60
VU 38	3/8"	10	3/8"	70
VU 12	1/2"	12.5	1/2"	77
VU 34	3/4"	16	3/4"	90
VU 100	1"	19	1"	106
VU 114	1 ¼"	25	1 ¼"	125
VU 112	1 ½"	31.5	1 ½"	140
VU 200	2"	40	2"	160

