

Safety Valve HHV 5

Design

The URACA safety valve, type HHV, is a spring loaded seat valve with metal seal. Casing is made from spherulitic cast iron. All other materials had been selected for operation with clean water, water-oil-emulsion or hydraulic oil application. After having

set the blow-off pressure by turning the easily adjustable hand wheel the valve can be sealed. By means of the star knob at top the valve cone can be turned and lifted under service pressure according to the specifications of the German Technische

Überwachungsvereine (TÜV) or to those of other technical control authorities. The safety valve can be installed in any position. However, by experience we recommend vertical installation as this turned out best for operational safety.

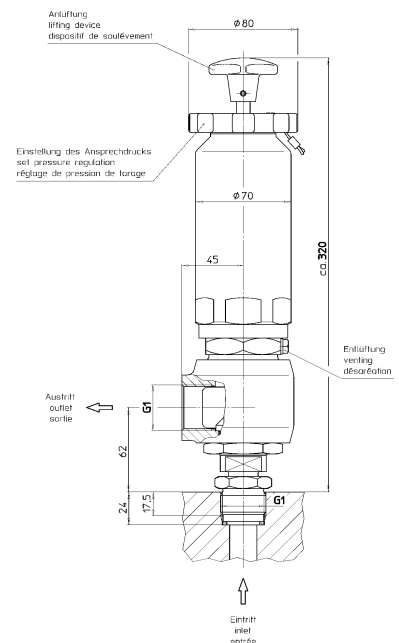


Application and Operation

Safety valves of the HHV series are designed as overload protection of hydraulic systems. They meet all arising requirements in this respect, respond quickly and have only minor pressure increase.

Due to the design of valve cone and seat the hydraulic energy of the liquid is utilized to achieve a large valve lift allowing an important throughput at minor pressure increases. Each valve is equipped with damping device

to avoid vibration as far as possible. Venting of the damping chamber is made by loosening the screw. Please select suitable valve following the schedule overleaf.



Safety Valve HHV 5

URACA

Technical Data

Type	Pressure Range p=bar	Flow Cap. Q=lpm	Inlet	Ref. No.		
				Standard	VA-Design	Nonferrous metal free
HHV 5-21	50 - 100	0,5 - 1,5	3/4 "	W2900	-	-
HHV 5-22	100 - 280	0,7 - 3,5	3/4 "	W2901	-	-
HHV 5-23	280 - 600	0,7 - 5,0	3/4 "	W2902	-	-
HHV 5-24	600 - 1000	0,7 - 6,0	3/4 "	W2903	-	-
HHV 5-41	20 - 120	5 - 65	1"	W2904	W2948-D5	W2948-5
HHV 5-42	120 - 250	6 - 90	1"	W2905	W2948-D6	W2948-6
HHV 5-43	250 - 500	7 - 130	1"	W2906	W2948-D7	W2948-7
HHV 5-44	500 - 800	8 - 180	1"	W2907	W2948-D8	W2948-8
HHV 5-61	10 - 45	5 - 100	1"	W2908	W2948-D9	W2948-9
HHV 5-62	25 - 90	6 - 120	1"	W2909	W2948-D10	W2948-10
HHV 5-63	60 - 200	7 - 190	1"	W2910	W2948-D11	W2948-11
HHV 5-64	140 - 400	8 - 250	1"	W2911	W2948-D12	W2948-12
HHV 5-81	5 - 25	5 - 125	1"	W2912	W2948-D13	W2948-13
HHV 5-82	15 - 60	6 - 190	1"	W2913	W2948-D14	W2948-14
HHV 5-83	35 - 130	7 - 260	1"	W2914	W2948-D15	W2948-15
HHV 5-84	80 - 260	8 - 350	1"	W2915	W2948-D16	W2948-16
HHV 5-101	5 - 15	50 - 200	1"	W2916	W2948-D17	W2948-17
HHV 5-102	10 - 32	60 - 250	1"	W2917	W2948-D18	W2948-18
HHV 5-103	20 - 70	70 - 300	1"	W2918	W2948-D19	W2948-19
HHV 5-104	50 - 130	80 - 350	1"	W2919	W2948-D20	W2948-20
HHV 5-121	5 - 12	60 - 190	1"	W2920	W2948-D21	W2948-21
HHV 5-122	12 - 22	70 - 260	1"	W2921	W2948-D22	W2948-22
HHV 5-123	22 - 50	80 - 350	1"	W2922	W2948-D23	W2948-23
HHV 5-124	50 - 100	120 - 550	1"	W2923	W2948-D24	W2948-24

Weight of each type: 3,9 kg

Example for ordering

Flow capacity: 180 lpm Response pressure: 170 bar = Ref. No.: W2911

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Konstruktionsänderungen vorbehalten. Maße,
Gewichte, Abbildungen und Daten unverbindlich.
Maße in mm.

Design may be subject to modification.
Dimensions, weights, illustrations and technical
data are without engagement. Dimensions in
mm.

Sous réserve de modifications techniques.
Dimensions, poids, dessins et caractéristiques à
titre indicatif. Dimensions en mm.

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