



Filter H-600 R (H-600)

Precision valve filters

- Material:** SS - stainless steel AISI 316 B - brass (optional)
- Spring material:** AISI302 stainless steel
- Filter element:** AISI 316 stainless steel (option: brass)
- Operating pressure H-600R:** up to 413 bar (AISI 316) up to 138 bar (brass)

High-performance **filters for precision fittings**. Designed to protect sensitive equipment and installations from particles contained in the medium or contaminants. The filters have replaceable filter elements with different degrees of filtration (nominal pore size) in the form of a sintered element (filtration degree from 0.1 µm to 90 µm) or a mesh filter (140 to 440 µm). **H-600R** T-type filters provide easy cleaning of the filter without the need to disassemble the system and are the most commonly used. **H-600** straight (*in-line* type) filters are used when space is very limited and have lower operating pressures (up to 206 bar - AISI 316 steel, up to 68 bar - brass). Each filter is nitrogen leakage tested at the factory (68 bar). Filters are available with LET-LOK® connections and various threaded connections (NPT, BSPT). Available in OC - purified to oxygen and LF - free of all lubricants. The H-600R filter has two M5x0.8 mounting holes on the top of the body. The H-600R CNG version is designed for compressed natural gas for NGVs (260 bar, - 40°C to + 120°C, ECE R110 certified). The H-600R filters are also available with a lower threaded outlet for bleeding (*by pass / purge* type).

Construction of the H-600 Rfilter			Flow characteristics (20°C) of H-600 R filters for different connection sizes																								
Temperature vs. pressure [bar]	SS	B	µm	1/8", 3 mm						1/4", 6 mm			1/2", 8+12 mm			1/8", 3 mm						1/4", 6 mm			1/2", 8+12 mm		
				AIR - inlet pressure. [bar] (discharge to atmosphere)																		WATER - pressure drop [bar]					
37	413	138		0,34	0,68	1,0	0,34	0,68	1,0	0,34	0,68	1,0	0,68	3,4	6,8	0,68	3,4	6,8	0,68	3,4	6,8	0,68	3,4	6,8			
93	356	119		AIR - flow rate [Nl/min]																		WATER - flow [l/min]					
148	321	101	0,5	1,1	1,7	3,4	3,4	7,4	13,6	10,2	24,4	45,3	0,15	0,6	1,1	0,15	0,6	1,1	0,15	0,6	1,1	0,3	1,5	2,9			
204	295		2	5,7	11,3	17,0	17,0	39,6	65,1	39,6	79,3	113,3	0,3	0,9	1,5	0,9	3,3	4,9	1,0	4,2	6,1						
260	274		7	14,2	25,5	34,0	39,6	82,1	133,1	51,0	118,9	192,6	0,4	1,1	1,8	1,5	4,9	7,6	2,4	8,3	13,2						
315	259		15	22,7	36,8	42,5	34,0	82,1	133,1	51,0	138,8	223,7	0,5	1,4	2,2	1,9	4,9	7,9	3,2	9,8	15,5						
343	255		40	45,3	56,6	62,3	65,0	133,0	210,0	119,0	257,5	396,0	0,53	1,5	2,3	2,45	7,6	11,8	4,9	15,9	22,3						
371	248		60	48,1	62,3	68,0	87,8	167,1	240,7	144,4	283,2	424,8	0,6	1,9	2,3	3,0	10,2	14,8	5,7	18,2	25,4						
398	243		90	51,0	62,3	73,6	116,1	212,4	283,2	172,7	311,5	453,1	0,8	1,9	2,3	4,2	12,9	18,5	6,4	20,8	28,8						
426	239		140																								
454	243		230	51,0	65,1	73,6	133,1	249,2	339,8	203,9	396,4	566,3	0,8	1,9	2,6	4,5	15,9	21,2	9,1	27,3	37,9						
482	223		440																								

H-600 R filters in AISI 316 stainless steel

filter insert [µm]	index					
	Connections (inlet and outlet) LET-LOK® 1/8"	Connections (inlet and outlet) LET-LOK® 1/4"	Connections (inlet and outlet) LET-LOK® 3/8"	Connections (inlet and outlet) LET-LOK® 1/2"	Connections (inlet and outlet) LET-LOK® 6 mm	Connections (inlet and outlet) LET-LOK® 8 mm
0,1	HM-H600R-SS-LC-02-01	HM-H600R-SS-LC-04-01	HM-H600R-SS-LC-06-01	HM-H600R-SS-LC-08-01	HM-H600R-SS-LM-06-01	HM-H600R-SS-LM-08-01
0,5	HM-H600R-SS-LC-02-05	HM-H600R-SS-LC-04-05	HM-H600R-SS-LC-06-05	HM-H600R-SS-LC-08-05	HM-H600R-SS-LM-06-05	HM-H600R-SS-LM-08-05
2	HM-H600R-SS-LC-02-2	HM-H600R-SS-LC-04-2	HM-H600R-SS-LC-06-2	HM-H600R-SS-LC-08-2	HM-H600R-SS-LM-06-2	HM-H600R-SS-LM-08-2
7	HM-H600R-SS-LC-02-7	HM-H600R-SS-LC-04-7	HM-H600R-SS-LC-06-7	HM-H600R-SS-LC-08-7	HM-H600R-SS-LM-06-7	HM-H600R-SS-LM-08-7
15	HM-H600R-SS-LC-02-15	HM-H600R-SS-LC-04-15	HM-H600R-SS-LC-06-15	HM-H600R-SS-LC-08-15	HM-H600R-SS-LM-06-15	HM-H600R-SS-LM-08-15
40	HM-H600R-SS-LC-02-40	HM-H600R-SS-LC-04-40	HM-H600R-SS-LC-06-40	HM-H600R-SS-LC-08-40	HM-H600R-SS-LM-06-40	HM-H600R-SS-LM-08-40
60	HM-H600R-SS-LC-02-60	HM-H600R-SS-LC-04-60	HM-H600R-SS-LC-06-60	HM-H600R-SS-LC-08-60	HM-H600R-SS-LM-06-60	HM-H600R-SS-LM-08-60
90	HM-H600R-SS-LC-02-90	HM-H600R-SS-LC-04-90	HM-H600R-SS-LC-06-90	HM-H600R-SS-LC-08-90	HM-H600R-SS-LM-06-90	HM-H600R-SS-LM-08-90
140	HM-H600R-SS-LC-02-140	HM-H600R-SS-LC-04-140	HM-H600R-SS-LC-06-140	HM-H600R-SS-LC-08-140	HM-H600R-SS-LM-06-140	HM-H600R-SS-LM-08-140
230	-	HM-H600R-SS-LC-04-230	HM-H600R-SS-LC-06-230	HM-H600R-SS-LC-08-230	HM-H600R-SS-LM-06-230	HM-H600R-SS-LM-08-230
440	-	HM-H600R-SS-LC-04-440	HM-H600R-SS-LC-06-440	HM-H600R-SS-LC-08-440	HM-H600R-SS-LM-06-440	HM-H600R-SS-LM-08-440
without contribution	HM-H600R-SS-LC-02-LE	HM-H600R-SS-LC-04-LE	HM-H600R-SS-LC-06-LE	HM-H600R-SS-LC-08-LE	HM-H600R-SS-LM-06-LE	HM-H600R-SS-LM-08-LE
length [mm]	57,6	62,8	72,2	77,3	62,4	72,2

filter insert [µm]	index					
	Connections (inlet and outlet) LET-LOK® 10 mm	Connections (inlet and outlet) LET-LOK® 12 mm	Connections (inlet and outlet) GW 1/8" NPT	Connections (inlet and outlet) GW 1/4" NPT	Connections (inlet and outlet) 1/4" NPT GZ	Connections (inlet and outlet) PG 1/2" NPT
0,1	HM-H600R-SS-LM-10-01	HM-H600R-SS-LM-12-01	HM-H610R-SS-N-02-01	HM-H610R-SS-N-04-01	HM-H680R-SS-N-04-01	HM-H680R-SS-N-08-01
0,5	HM-H600R-SS-LM-10-05	HM-H600R-SS-LM-12-05	HM-H610R-SS-N-02-05	HM-H610R-SS-N-04-05	HM-H680R-SS-N-04-05	HM-H680R-SS-N-08-05
2	HM-H600R-SS-LM-10-2	HM-H600R-SS-LM-12-2	HM-H610R-SS-N-02-2	HM-H610R-SS-N-04-2	HM-H680R-SS-N-04-2	HM-H680R-SS-N-08-2
7	HM-H600R-SS-LM-10-7	HM-H600R-SS-LM-12-7	HM-H610R-SS-N-02-7	HM-H610R-SS-N-04-7	HM-H680R-SS-N-04-7	HM-H680R-SS-N-08-7
15	HM-H600R-SS-LM-10-15	HM-H600R-SS-LM-12-15	HM-H610R-SS-N-02-15	HM-H610R-SS-N-04-15	HM-H680R-SS-N-04-15	HM-H680R-SS-N-08-15
40	HM-H600R-SS-LM-10-40	HM-H600R-SS-LM-12-40	HM-H610R-SS-N-02-40	HM-H610R-SS-N-04-40	HM-H680R-SS-N-04-40	HM-H680R-SS-N-08-40
60	HM-H600R-SS-LM-10-60	HM-H600R-SS-LM-12-60	HM-H610R-SS-N-02-60	HM-H610R-SS-N-04-60	HM-H680R-SS-N-04-60	HM-H680R-SS-N-08-60
90	HM-H600R-SS-LM-10-90	HM-H600R-SS-LM-12-90	HM-H610R-SS-N-02-90	HM-H610R-SS-N-04-90	HM-H680R-SS-N-04-90	HM-H680R-SS-N-08-90
140	HM-H600R-SS-LM-10-140	HM-H600R-SS-LM-12-140	HM-H610R-SS-N-02-140	HM-H610R-SS-N-04-140	HM-H680R-SS-N-04-140	HM-H680R-SS-N-08-140
230	HM-H600R-SS-LM-10-230	HM-H600R-SS-LM-12-230	-	HM-H610R-SS-N-04-230	HM-H680R-SS-N-04-230	HM-H680R-SS-N-08-230
440	HM-H600R-SS-LM-10-440	HM-H600R-SS-LM-12-440	-	HM-H610R-SS-N-04-440	HM-H680R-SS-N-04-440	HM-H680R-SS-N-08-440
without contribution	HM-H600R-SS-LM-10-LE	HM-H600R-SS-LM-12-LE	HM-H610R-SS-N-02-LE	HM-H610R-SS-N-04-LE	HM-H680R-SS-N-04-LE	HM-H680R-SS-N-08-LE
length [mm]	72,5	77,3	50,7	54,2	54,2	70,0