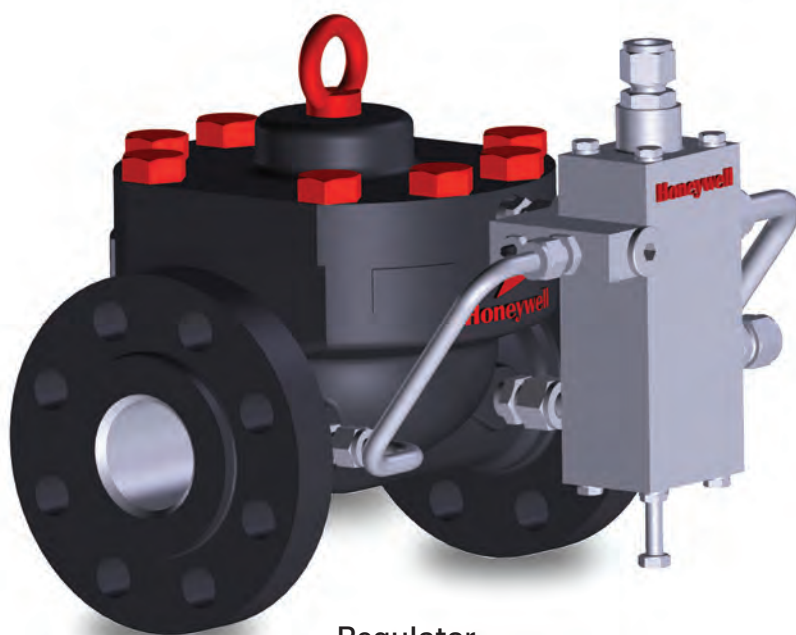


GAS PRESSURE REGULATOR HON 5020



Regulator
HON 5020SSV



Regulator
HON 5020

Reliability and accuracy

The HON 5020 provides outstanding control accuracy over a large working area as well as quick reaction times for highly dynamic requirements in the public gas supply industry and industrial applications.



The HON 5020 gas pressure regulator meets the demands of modern control technology:

- Reduced operating costs
- Increased efficiency
- Meets specific operational needs
- Improved reliability in all situations

Process optimization plays an increasingly important role in today's gas industry. To reduce operating costs, gas pressure regulators and safety shut-off valves need to provide reliability, longer lifespans and lower maintenance costs. This compact device is the ideal solution for all types of control tasks that require **reliability**, **precision** and **easy maintenance**.

Advantages for Your Operation

Low Cost of Ownership

The HON 5020 drives down maintenance and repair costs at gas facilities. The regulator is configured for convenient in-line service, so long-term cost of ownership remains low.

Improved Uptime

With the HON 5020's simplified design, failures are uncommon and it is easy to perform routine instrument repairs when needed. Sites no longer have to deal with unexpected shutdowns and interruptions of normal operation due to frequent device malfunctions.

Reduced Risk

Honeywell's knowledgeable subject matter experts work with customers on all aspects of product and application planning for gas pressure regulator installations. Our certified field technicians can assist with start-up, commissioning and field service. We provide on-site technical support, as well as dependable response to your spare parts needs.

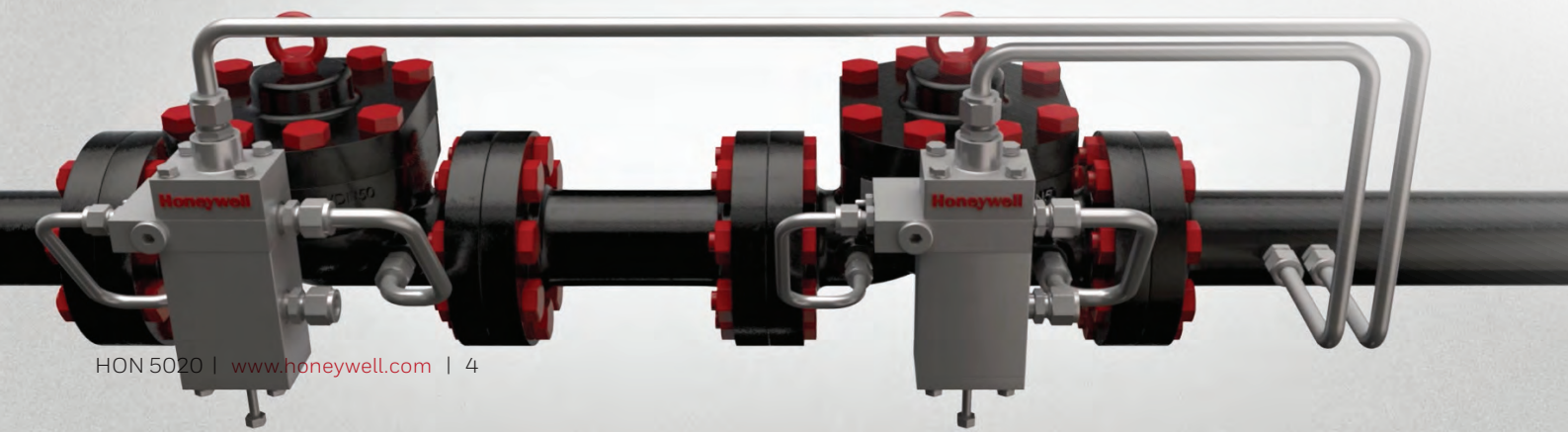
Benefit from:

- Optimized design for lower maintenance costs
- Small number of moving parts
- Modular design
- High response and control accuracy
- Reduced noise
- High flow rate
- Low differential pressure requirements

SERVICE CONDITIONS					
Maximum Inlet	Up to 102 bar		Up to 1480 psi		
Connection type	PN16, PN25 and PN40. Class 150, Class 300 and Class 600 according to ANSI 16.5 RF				
Min Operating Differential	0.5 bar recommended > 1.5 bar		7 psi recommended > 22 psi		
Max Operating Differential	Class 150: 19 bar, Class 300: 51 bar Class 600: 70 bar		Class 150: 275 psi, Class 300: 725 psi Class 600: 1015 psi		
Temperture Min/ Max	-20°C to 60°C Standard -29°C to 66°C Upon Request -40°C to 79°C Upon Request		-4°F to 140°F Standard -20°F to 150°F Upon Request -40°F to 175°F Upon Request		
Throttle plates	100% 75%, 50%, 25% Capacity				
Noise Reduction	Up to 20 dB (A). (Size 1" and 2" -10% of stated Cg value, Size 3", 4" & 6"-25% of Stated Cg value)				
Certification	CSA B51-0.9 ASME Section VIII etc CE registration acc to PED EN334 depending on pilot version				
Accuracy Class	up to AC 1				
Lock-up Pressure Class SG	up to SG 5				
Strength, tightness and function	EN334 and EN14382 standards				
CAPACITY					
HON 5020 with Inlet =Outlet (Without Expansion)	Without SSV in KG	With SSV in KG	Without SSV in Cg	With SSV in Cg	
DN 25 / 1"	450	410	500	456	
DN50 / 2"	1800	1500	2000	1667	
DN 80 / 3"	4690	3700	5200	4102	
DN 100 / 4"	7900	5500	8770	6106	
DN 150 /6"	16400	11500	18200	12762	
APPLICATIONS					
	Pilot Model	Max Inlet		Outlet Pressure	Outlet Pressure
Pressure Reducing	HON 600	25 bar	363 psi	0.015 to 8.0 bar	0.22 to 116 psi
	HON 625	25 bar	363 psi	0.02 to 5.0 bar	0.3 to 73 psi
	HON 630	100 bar	1450 psi	0.03 to 90 bar	0.4 to 1305 psi
	HON 630-1	100 bar	1450 psi	0.03 to 90 bar	0.4 to 1305 psi
	HON 640a	100 bar	1450 psi	0.5 to 90 bar	7 to 1305 psi
	S60	100 bar	1450 psi	0.2 to 62 bar	3 to 900 psi
Back Pressure	HON 642a	100 bar	1450 psi	0.5 to 40 bar	7 to 580 psi
Safety Shut Off	HON K1a	OPSO		0.05 to 1.50 bar	0.70 to 22 psi
		UPSO		0.010 to 0.015 bar	0.14 to 1.74 psi
	HON K2a/1	OPSO		0.40 to 4.50 bar	6 to 65 psi
		UPSO		0.060 to 0.400 bar	0.87 to 5.80 psi
	HON K2a/2	OPSO		2.50 to 8 bar	36 to 116 psi
		UPSO		0.800 to 2.200 bar	12 to 32 psi
	K10a	OPSO		0.05 to 1.50 bar	0.70 to 22 psi
		UPSO		0.010 to 0.015 bar	0.14 to 1.76 psi
	K11a/1	OPSO		0.40 to 4.50 bar	6 to 65 psi
		UPSO		0.060 to 1.000 bar	0.87 to 14 psi
	K11a/2	OPSO		2.50 to 8 bar	36 to 116 psi
		UPSO		0.800 to 2.200 bar	12 to 32 psi
	K 16	OPSO		0.80 to 40 bar	12 to 580 psi
	K 17	UPSO		2 to 40 bar	29 to 145 psi
K 18	OPSO		20 to 90 bar	290 to 1305 psi	
K 19	UPSO		20 to 90 bar	290 to 1305 psi	

TECHNICAL DATA

Pilot Model	Spring no	Colour Code	Specific range W_{ds} in bar	Specific range W_{ds} in Psi
HON 625 LP	1	Cream White	0.02 to 0.06	0.29 to 0.87
	2	Green	0.04 to 0.18	0.58 to 2.61
	3	Red	0.07 to 0.35	1.01 to 5.22
	4	Blue	0.30 to 0.50	4.35 to 7.25
HON 625 HP	5	Red	0.30 to 1	4.35 to 14
	6	Blue	0.50 to 2	7.25 to 29
	7	No Colour	1 to 3.5	14 to 51
	8	Silver	2 to 5	29 to 72
HON 630 (external pilot 2 stage design)	0	Black	0.30 to 1	4.35 to 14
	1	Blue	0.50 to 2	7.25 to 29
	2	Yellow	1 to 5	14 to 72
	3	Brown	2 to 10	29 to 145
	4	Red	5 to 20	72 to 290
	5	Green	10 to 40	145 to 580
	6	White	20 to 90	290 to 1305
Load Limiting stage	5	Green	5 to 15 (Automatic via Pd)	72 to 217 (Automatic via Pd)
HON 630-1 (external pilot, one-stage design, suitable fo input pressure fluctuations < 15 bar (217 psi))	0	Black	0.30 to 1	4.35 to 14
	1	Blue	0.50 to 2	7.25 to 29
	2	Yellow	1 to 5	14 to 72
	3	Brown	2 to 10	29 to 145
	4	Red	5 to 20	72 to 290
	5	Green	10 to 40	145 to 580
	6	White	20 to 90	290 to 1305
HON 640a (external pilot , one stage design)	1	Blue	0.50 to 2	7.25 to 29
	2	Black	1 to 1.5	14 to 22
	3	Grey	2 to 10	29 to 145
	4	Brown	5 to 20	72 to 290
	5	Red	10 to 40	145 to 580
S 60	1	Red	0.20 to 2	3 to 30
	2	Blue	0.70 to 5	10 to 75
	3	Black	1.70 to 10	25 to 150
	4	Green	6.90 to 22	100 to 325
	5	Brown	17 to 31	250 to 450
	6	White	28 to 62	400 to 900
HON 642a	1	Blue	0.50 to 2	7.25 to 29
	2	Black	1 to 5	14 to 72
	3	Grey	2 to 10	29 to 145
	4	Brown	5 to 20	72 to 290
	5	Red	10 to 40	145 to 580



SETTING RANGES OF SSV CONTROL MACHINES FOR FINAL CONTROLLING DEVICES WITH AN INTEGRATED SSV IN PSI

Control Device	Setpoint Spring		Upper Response pressure p_{do}		Lower Response Pressure p_{du}		Response Pressure Category AG
	No	Colour	Specific adjustment range W_{dso} (psi)	Smallest diff Pressure - Δp_{wo} (psi)	Specific adjustment range W_{dsu} (psi)	Smallest diff Pressure - Δp_{wu} (psi)	
K1a***	1	Yellow	0.72 to 1.45	0.43			10 / 5
	2	Light red	1.16 to 3.62	0.72			10 / 5
	3	Dark red	2.90 to 7.25	1.45			5 / 2.5
	4	White	5.80 to 22	3.62			5 / 2.5
	5	Light Blue			0.14 to 0.22	0.17	20
	6	White			0.20 to 0.58	0.43	10 / 5
	7	Black			0.51 to 1.74	0.87	5
K2a/1***	1	Light red	5.80 to 11.60	1.45			10 / 5
	2	Dark red	8.70 to 23	2.90			10 / 5
	3	White	22 to 65	4.35			5 / 2.5
	4	Light Blue			0.87 to 2.17	0.72	10 / 5
	5	Black			1.74 to 5.80	1.16	5
K2a/2***	1	White	36 to 116	7.25			10 / 5
	2	Red			12 to 32	5.80	10 / 5
K10a	1	Yellow	0.72 to 1.45	0.43			10 / 5
	2	Light red	1.16 to 3.62	0.72			10 / 5
	3	Dark red	2.90 to 7.25	1.45			5 / 2.5
	4	White	5.80 to 22	3.62			5 / 2.5
	5	Light blue			0.14 to 0.22	0.17	20
	6	White			0.20 to 0.58	0.43	20 / 5
	7	Black			0.51 to 1.74	0.87	5
K11a/1	1	Light red	5.80 to 11.60	1.45			10 / 5
	2	Dark red	8.70 to 23	2.90			10 / 5
	3	White	22 to 65	4.35			5 / 2.5
	4	Light Blue			0.87 to 2.17	0.72	20 / 5
	5	Black			1.74 to 5.80	1.16	5
	6	Flame red			5.07 to 14	1.45	5
K11a/2	1	White	36 to 116	7.25			10 / 5
	2	Red			12 to 32	5.80	10 / 5
K16 ¹	0	***Blue	12 to 22	1.45			2.5
	1	Black	14 to 72	2.90			2.5 / 1
	2	Grey	29 to 145	5.80			1
	3	Brown	72 to 290	12			1
	4	Red	145 to 580	17			1
K17 ¹	1	Grey			29 to 145	5.8	1
	2	Brown			72 to 290	12	1
	3	Red			145 to 580	17	1
K18 ¹	1	No Color	290 to 1305	22			1
K19 ¹	1	No Color			290 to 1305	22	1

Please note: If control devices are used for upper and lower response pressures at the same time, the difference between the nominal values p_{do} and p_{du} must be at least 10% larger than the sum of the values of Δp_{wo} and Δp_{wu} .

$$p_{dso} - p_{dsu} \geq 1.1 \times (\Delta p_{wo} + \Delta p_{wu})$$

**The higher AG Category applies for the first half of the adjustment range and the lower AG Category applies to the second half.

***) Only applies to size DN 25 / 1"

) The control devices K16/K17 or K18/K19 can also be used together

SETTING RANGES OF SSV CONTROL MACHINES FOR FINAL CONTROLLING DEVICES WITH AN INTEGRATED SSV IN BAR

Control Device	Setpoint Spring		Upper Response pressure p_{do}		Lower Response Pressure p_{du}		Response Pressure Category AG
	No	Colour	Specific adjustment range W_{dso} (bar)	Smallest diff Pressure - Δp_{wo} (bar)	Specific adjustment range W_{dsu} (bar)	Smallest diff Pressure - Δp_{wu} (bar)	
K1a***	1	Yellow	0.050 to 0.100	0.030			10 / 5
	2	Light red	0.080 to 0.250	0.050			10 / 5
	3	Dark red	0.200 to 0.500	0.100			5 / 2.5
	4	White	0.400 to 1.500	0.250			5 / 2.5
	5	Light Blue			0.001 to 0.015	0.012	20
	6	White			0.014 to 0.040	0.030	10 / 5
	7	Black			0.035 to 0.120	0.060	5
K2a/1***	1	Light red	0.400 to 0.800	0.100			10 / 5
	2	Dark red	0.600 to 1.600	0.200			10 / 5
	3	White	1.500 to 4.500	0.300			5 / 2.5
	4	Light Blue			0.060 to 0.150	0.050	10 / 5
	5	Black			0.120 to 0.400	0.080	5
K2a/2***	1	White	2.500 to 8.000	0.500			10 / 5
	2	Red			0.800 to 2.200	0.400	10 / 5
K10a	1	Yellow	0.050 to 0.100	0.030			10 / 5
	2	Light red	0.080 to 0.225	0.050			10 / 5
	3	Dark red	0.200 to 0.500	0.100			5 / 2.5
	4	White	0.400 to 1.500	0.250			5 / 2.5
	5	Light blue			0.010 to 0.015	0.170	20
	6	White			0.014 to 0.040	0.430	20 / 5
	7	Black			0.035 to 1.740	0.120	5
K11a/1	1	Light red	0.400 to 0.800	0.100			10 / 5
	2	Dark red	0.600 to 1.600	0.200			10 / 5
	3	White	1.500 to 4.500	0.300			5 / 2.5
	4	Light Blue			0.060 to 0.150	0.050	20 / 5
	5	Black			0.120 to 0.400	0.080	5
	6	Flame red			0.350 to 1.000	0.100	5
K11a/2	1	White	2.500 to 8.000	0.500			10 / 5
	2	Red			0.800 to 2.200	0.400	10 / 5
K16 ¹	0	***Blue	0.800 to 1.500	0.100			2.5
	1	Black	1.000 to 5.000	0.200			2.5 / 1
	2	Grey	2.000 to 10	0.400			1
	3	Brown	5.000 to 20	0.800			1
	4	Red	10 to 40	1.200			1
K17 ¹	1	Grey			2.000 to 10	0.400	1
	2	Brown			5.000 to 20	0.800	1
	3	Red			10 to 40	1.200	1
K18 ¹	1	No Color	20 to 90	1.500			1
K19 ¹	1	No Color			20 to 90	1.500	1

Please note: If control devices are used for upper and lower response pressures at the same time, the difference between the nominal values p_{do} and p_{du} must be at least 10% larger than the sum of the values of Δp_{wo} and Δp_{wu} .

$$p_{dso} - p_{dsu} \geq 1.1 \times (\Delta p_{wo} + \Delta p_{wu})$$

**The higher AG Category applies for the first half of the adjustment range and the lower AG Category applies to the second half.

***) Only applies to size DN 25 / 1"

) The control devices K16/K17 or K18/K19 can also be used together

Formulas

C_g (IMPERIAL)	KG (EN 334 METRIC)
a) For sub-critical flow (sine function reaches 90 deg): $Q_{scfh} = \sqrt{\frac{520}{GT}} * C_g * p_u * \sin \left[\frac{3417}{C_1} \sqrt{\frac{p_u - p_d}{p_u}} \right] \text{deg}$	a) For sub-critical flow ($p_u - p_d \leq 0.5 * p_u$): $Q = K_G * \sqrt{(p_d * (p_u - p_d))}$
b) For critical flow (sine function equals unity): $Q_{scfh} = \sqrt{\frac{520}{GT}} * C_g * p_u$	b) For critical flow ($p_u - p_d > 0.5 * p_u$): $Q = K_G * \frac{p_u}{2}$

	SYMBOLS	IMPERIAL UNITS/FACTORS	METRIC UNITS/FACTORS	COMMENT
Flow Volume	Q	ft ³ /h	m ³ /h	
Inlet-Pressure	p _u	psia	bara	Absolute
Outlet-Pressure	p _d	psia	bara	Absolute
Temperature	T	°Rankine	Kelvin	Kelvin=°Celsius + 273.15 °Rankine=°Fahrenheit + 459.67
Density	d	relative density to air [dimensionless]		
Body shape factor	C ₁			
Flow coefficient	C _g	flow coefficient at 520°Ra and density d=1		
Flow coefficient	K _G (DIN EN 334)	flow coefficient at 288.15K and density d=0.64		
TYPE OF GAS	d	Wherever you are, you can count on Honeywell's commitment to product quality, reliability, safety and performance.		
air	1			
natural gas (EU)	0.64			
natural gas (US)	0.61			
propane	1.53			
butane	2.00			
nitrogen	0.97			
oxygen	1.14			
carbon dioxide	1.52			

Materials of Construction and Dimensions

MATERIALS OF CONSTRUCTION*)	
Main Regulator	
Body	Cast Steel: ASTM-A352 Grade LCC
Top Cover	Carbon Steel Plate
Grid Plate	Stainless Steel
Main Spring	Stainless Steel/Carbon Spring Steel
Top Diaphragm Plate	Stainless Steel
Bottom Diaphragm Trim	Stainless Steel
Diaphragm	Nitrile/ECO
Seals	Nitrile or Viton
Connection Tubing	Steel or Stainless Steel
Pilots—HON 600/625/630/635/638/640a/642/S60	
Housing	Aluminum except S60 Pilot, Brass
Diaphragm	Nitrile
Seals	Nitrile or Viton

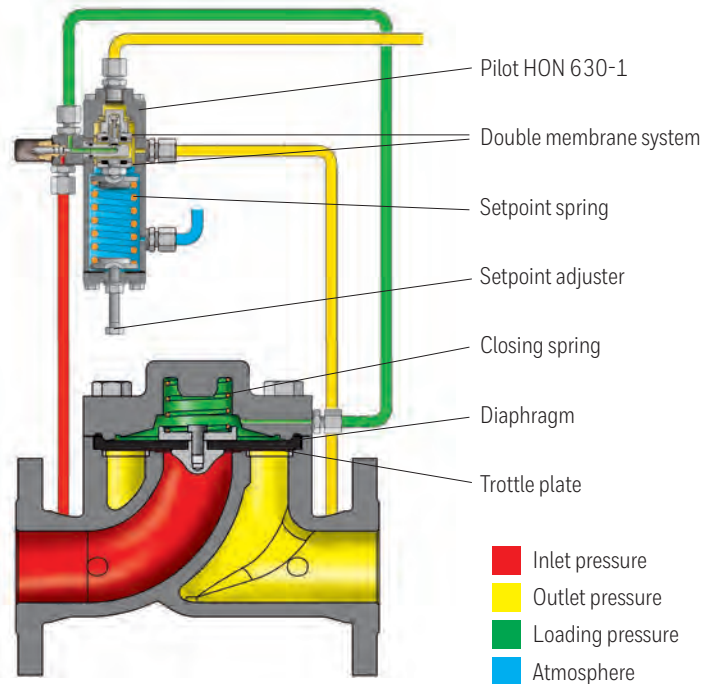
*) NACE compliant versions available on customer request.

Design and operation

The HON 5020 gas pressure regulator keeps the outlet pressure of a gaseous medium in a controlled system constant, regardless of variables such as input pressure and/or flow rate.

The HON 5020 consists of the main valve, the pilot, and if included, the integrated safety shut-off valve (SSV). The external pilots of the 600er series (e.g. HON 630/HON 625) are connected to the main appliance via control lines. A fine filter prevents the pilot from becoming contaminated.

The actuator consists of only a small number of parts and is therefore easy to maintain. The top of the housing can be easily removed to check the throttle diaphragm (the only wear part in the final controlling device) without disconnecting the actuator housing.



Example HON 5020 without SSV with pilot HON 630-1

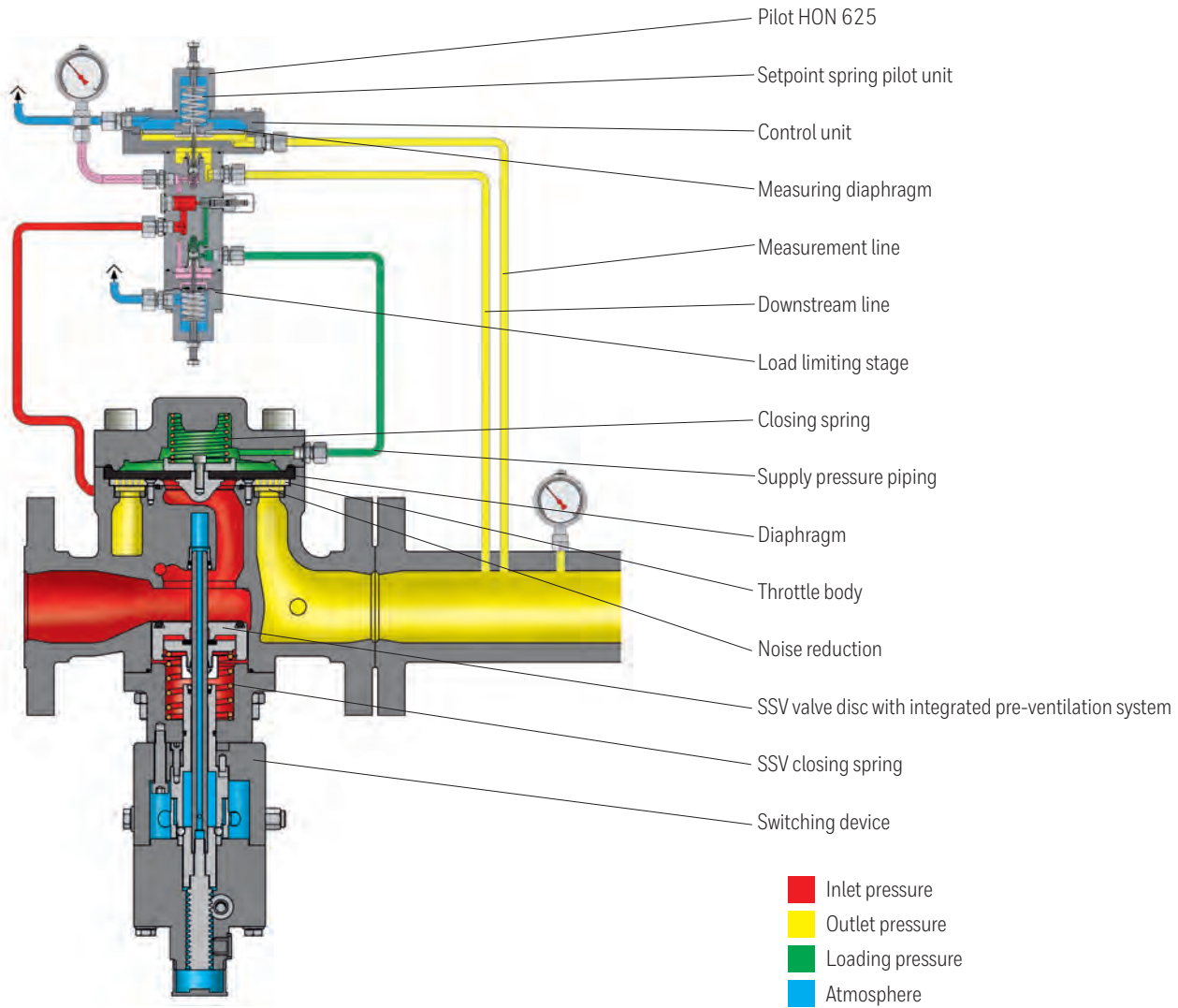


Throttle body with 100%, 75%, 50% and 25% flow rate.

In case the regulator is equipped with a safety valve, the SSV function unit can also be removed from the actuator housing by loosening the corresponding screws. The actuator is designed as a diaphragm valve. The diaphragm rests on the throttle valve with its orifices. The seal is located next to these orifices. A closing spring generates the closing force required for zero flow.

A metal foam ring can be placed under the throttle valve to reduce noise.





Example HON 5020 with integrated SSV and pilot HON 625

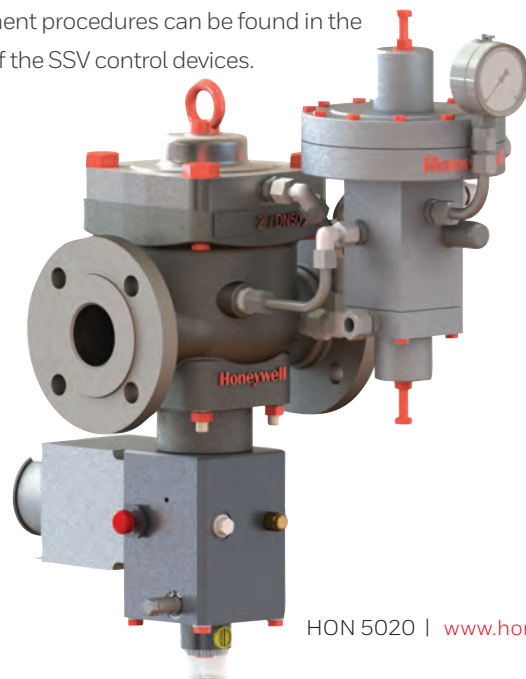
The outlet pressure is sent to the Pilot via the measurement line. The load limiting stage provides a constant pressure to the control unit. The diaphragm system in the control unit measures the actual value of the outlet pressure as a force on the measuring diaphragm and compares it with the force of setpoint spring. If the two values are not the same, the opening position of the throttle diaphragm is changed by adjusting the loading pressure (the outlet pressure adjusts to the target value). By using a diaphragm constructions as an actuator, the HON 5020 remains stable even at very low flow rates.

The device seals automatically when there is no load.

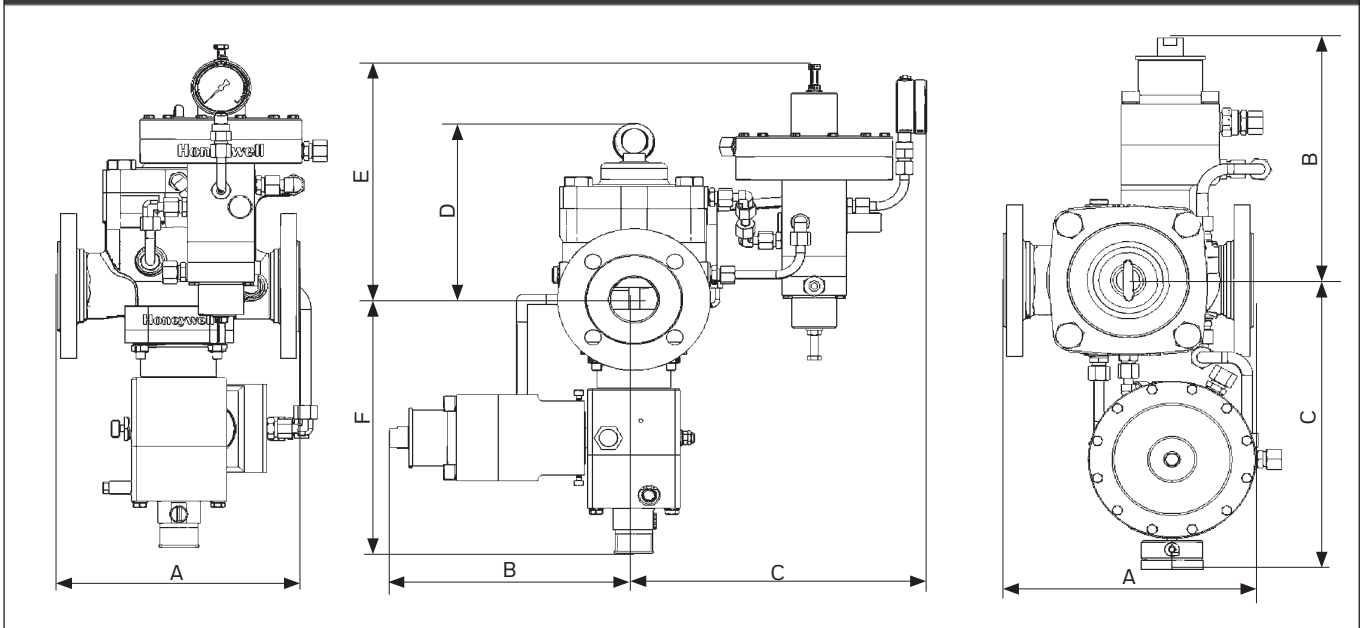
The SSV consists of an actuator with a built-in pressure compensation valve, a switching device and a control unit.

The control units have spring-loaded comparators that can be adjusted for upper and lower cut-off pressures. The safety shut-off valve (SSV) on the input side closes automatically when the pressure exceeds or falls below the set response pressure.

A description of the functions, configurations and re-engagement procedures can be found in the brochures of the SSV control devices.



DIMENSIONS AND WEIGHTS HON 5020 WITH SSV

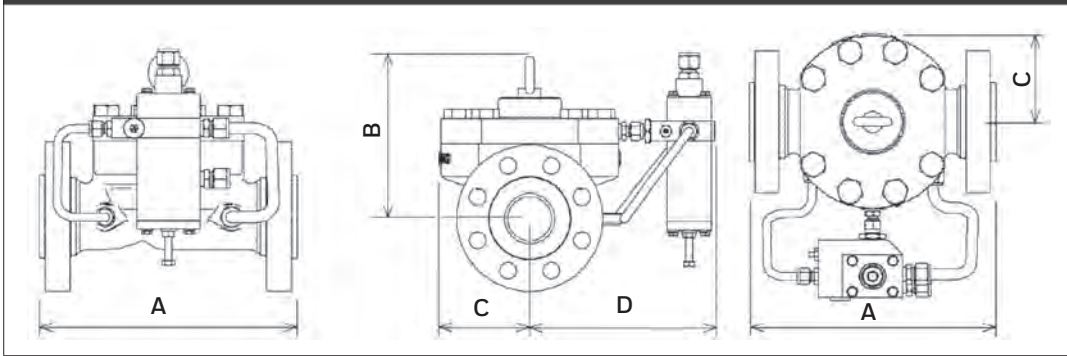


HON 5020 DIMENSIONS AND WEIGHTS (WITH SSV)

Nominal diameter ⁹	Pressure rating	A in mm (inch)	B in mm (inch)	C* in mm (inch)	D in mm (inch)	E in mm (inch)	F in mm (inch)	Weight Max. kg (pounds)
DN 25	PN16	184 (7.24)	200 (7.87)	250 (9.84)	164 (6.46)	300 (11.81)	130 (5.12)	25 (55)
	PN25	197 (7.76)	200 (7.87)	250 (9.84)	164 (6.46)	300 (11.81)	130 (5.12)	26 (57)
	PN40	197 (7.76)	200 (7.87)	250 (9.84)	164 (6.46)	300 (11.81)	130 (5.12)	26 (57)
	cl150	184 (7.24)	200 (7.87)	250 (9.84)	164 (6.46)	300 (11.81)	130 (5.12)	26 (57)
	cl300	197 (7.76)	200 (7.87)	250 (9.84)	164 (6.46)	300 (11.81)	130 (5.12)	26 (57)
	cl600	210 (8.27)	200 (7.87)	250 (9.84)	164 (6.46)	300 (11.81)	130 (5.12)	28 (62)
DN 50	PN16	254 (10.00)	265 (10.43)	315 (12.40)	182 (7.17)	280 (11.02)	300 (11.81)	42 (93)
	PN25	267 (10.51)	265 (10.43)	315 (12.40)	182 (7.17)	280 (11.02)	300 (11.81)	43 (95)
	PN40	267 (10.51)	265 (10.43)	315 (12.40)	182 (7.17)	280 (11.02)	300 (11.81)	43 (95)
	cl150	254 (10.00)	265 (10.43)	315 (12.40)	182 (7.17)	280 (11.02)	300 (11.81)	43 (95)
	cl300	267 (10.51)	265 (10.43)	315 (12.40)	182 (7.17)	280 (11.02)	300 (11.81)	43 (95)
	cl600	286 (11.26)	265 (10.43)	315 (12.40)	182 (7.17)	280 (11.02)	300 (11.81)	48 (106)
DN 80	PN16	298 (11.73)	265 (10.43)	315 (12.40)	230 (9.06)	260 (10.24)	320 (12.60)	66 (146)
	PN25	317 (12.48)	265 (10.43)	315 (12.40)	230 (9.06)	260 (10.24)	320 (12.60)	67 (148)
	PN40	317 (12.48)	265 (10.43)	315 (12.40)	230 (9.06)	260 (10.24)	320 (12.60)	68 (150)
	cl150	298 (11.73)	265 (10.43)	315 (12.40)	230 (9.06)	260 (10.24)	320 (12.60)	64 (141)
	cl300	317 (12.48)	265 (10.43)	315 (12.40)	230 (9.06)	260 (10.24)	320 (12.60)	67 (148)
	cl600	337 (13.27)	265 (10.43)	315 (12.40)	230 (9.06)	260 (10.24)	320 (12.60)	74 (163)
DN 100	PN16	352 (13.86)	265 (10.43)	390 (15.35)	270 (10.63)	300 (11.81)	300 (11.81)	84 (185)
	PN25	368 (14.49)	265 (10.43)	390 (15.35)	270 (10.63)	300 (11.81)	300 (11.81)	88 (194)
	PN40	368 (14.49)	265 (10.43)	390 (15.35)	270 (10.63)	300 (11.81)	300 (11.81)	88 (194)
	cl150	352 (13.86)	265 (10.43)	390 (15.35)	270 (10.63)	300 (11.81)	300 (11.81)	87 (192)
	cl300	368 (14.49)	265 (10.43)	390 (15.35)	270 (10.63)	300 (11.81)	300 (11.81)	95 (209)
	cl600	394 (15.51)	265 (10.43)	390 (15.35)	270 (10.63)	300 (11.81)	300 (11.81)	107 (236)
DN 150	PN16	451 (17.76)	510 (20.08)	430 (16.93)	301 (11.85)	640 (25.20)	205 (8.07)	278 (613)
	PN25	473 (18.62)	510 (20.08)	430 (16.93)	297 (11.69)	640 (25.20)	205 (8.07)	281 (620)
	PN40	473 (18.62)	510 (20.08)	430 (16.93)	297 (11.69)	640 (25.20)	205 (8.07)	281 (620)
	cl150	451 (17.76)	510 (20.08)	430 (16.93)	301 (11.85)	640 (25.20)	205 (8.07)	280 (617)
	cl300	473 (18.62)	510 (20.08)	430 (16.93)	297 (11.69)	640 (25.20)	205 (8.07)	282 (622)
	cl600	508 (20.00)	510 (20.08)	430 (16.93)	302 (11.89)	640 (25.20)	205 (8.07)	286 (631)

*) Dimensions depend on pilot system

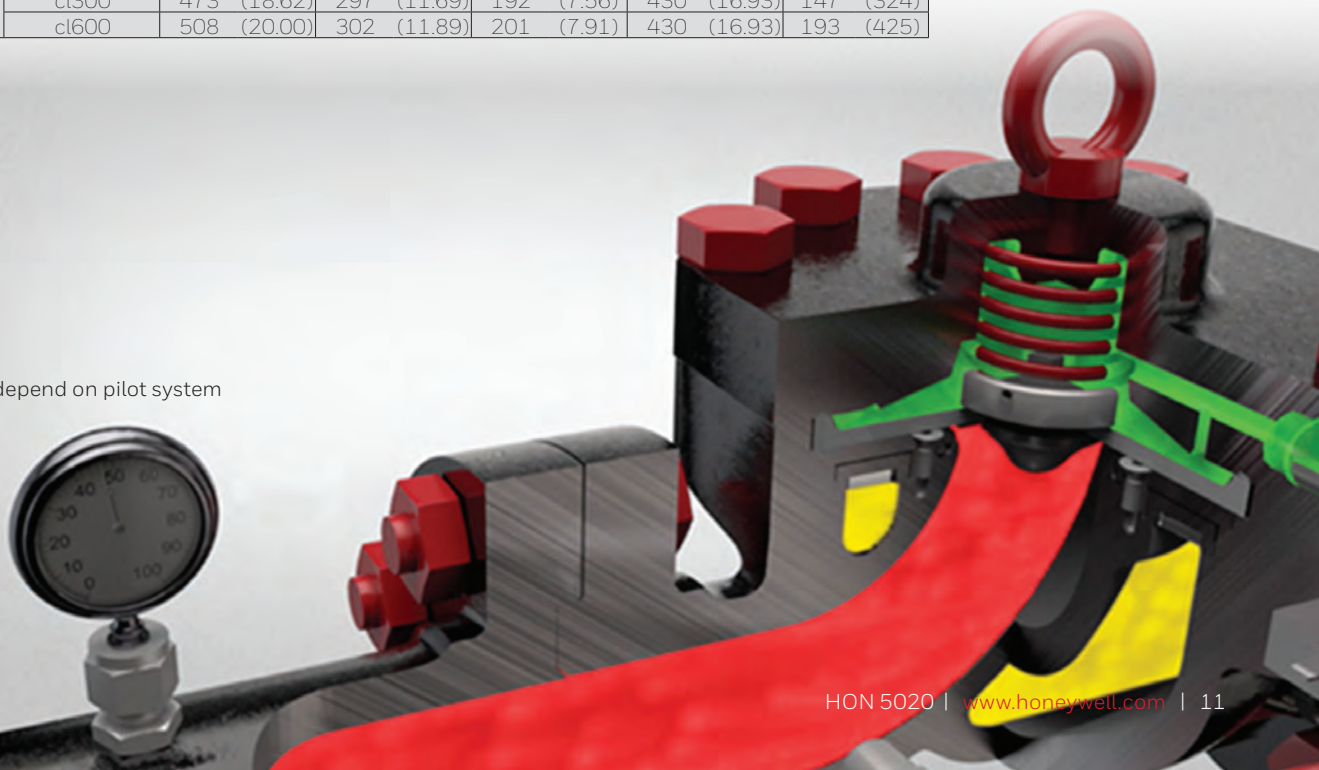
HON 5020 DIMENSIONS AND WEIGHT (WITHOUT SSV)



HON 5020 DIMENSIONS AND WEIGHT (WITHOUT SSV)

Nominal diameter	Pressure rating	A in mm (inch)	B in mm (inch)	C in mm (inch)	D* in mm (inch)	Weight Max. kg (pounds)
DN 25	PN16	184 (7.24)	164 (6.46)	72 (2.83)	250 (9.84)	14 (31)
	PN25	197 (7.76)	164 (6.46)	72 (2.83)	250 (9.84)	15 (33)
	PN40	197 (7.76)	164 (6.46)	72 (2.83)	250 (9.84)	15 (33)
	cl150	184 (7.24)	164 (6.46)	72 (2.83)	250 (9.84)	15 (33)
	cl300	197 (7.76)	164 (6.46)	72 (2.83)	250 (9.84)	15 (33)
DN 50	cl600	210 (8.27)	164 (6.46)	72 (2.83)	250 (9.84)	15 (33)
	PN16	254 (10.00)	190 (7.48)	83 (3.27)	315 (12.40)	22 (49)
	PN25	267 (10.51)	190 (7.48)	83 (3.27)	315 (12.40)	24 (53)
	PN40	267 (10.51)	190 (7.48)	83 (3.27)	315 (12.40)	24 (53)
	cl150	254 (10.00)	190 (7.48)	83 (3.27)	315 (12.40)	22 (49)
DN 80	cl300	267 (10.51)	190 (7.48)	83 (3.27)	315 (12.40)	24 (53)
	cl600	286 (11.26)	190 (7.48)	83 (3.27)	315 (12.40)	29 (64)
	PN16	298 (11.73)	240 (9.45)	100 (3.94)	315 (12.40)	43 (95)
	PN25	317 (12.48)	240 (9.45)	100 (3.94)	315 (12.40)	48 (106)
	PN40	317 (12.48)	240 (9.45)	100 (3.94)	315 (12.40)	48 (106)
DN 100	cl150	298 (11.73)	240 (9.45)	100 (3.94)	315 (12.40)	43 (95)
	cl300	317 (12.48)	240 (9.45)	100 (3.94)	315 (12.40)	48 (106)
	cl600	337 (13.27)	240 (9.45)	100 (3.94)	315 (12.40)	67 (148)
	PN16	352 (13.86)	270 (10.63)	145 (5.71)	390 (15.35)	69 (152)
	PN25	368 (14.49)	270 (10.63)	145 (5.71)	390 (15.35)	77 (170)
DN 150	PN40	368 (14.49)	270 (10.63)	145 (5.71)	390 (15.35)	77 (170)
	cl150	352 (13.86)	270 (10.63)	145 (5.71)	390 (15.35)	69 (152)
	cl300	368 (14.49)	270 (10.63)	145 (5.71)	390 (15.35)	77 (170)
	cl600	394 (15.51)	270 (10.63)	145 (5.71)	390 (15.35)	93 (205)
	PN16	451 (17.76)	301 (11.85)	192 (7.56)	430 (16.93)	130 (287)
DN 150	PN25	473 (18.62)	297 (11.69)	192 (7.56)	430 (16.93)	147 (324)
	PN40	473 (18.62)	297 (11.69)	192 (7.56)	430 (16.93)	147 (324)
	cl150	451 (17.76)	301 (11.85)	192 (7.56)	430 (16.93)	130 (287)
	cl300	473 (18.62)	297 (11.69)	192 (7.56)	430 (16.93)	147 (324)
	cl600	508 (20.00)	302 (11.89)	201 (7.91)	430 (16.93)	193 (425)

*) Dimensions depend on pilot system



For more information

To learn more about Honeywell's Advanced Gas Solutions, visit www.honeywellprocess.com or contact your Honeywell account manager.

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