




HALE HAMILTON[®]

Excellence in Pressure & Flow Control

A CIRCOR International, Inc. Company

Catalogue Contents

Introduction - Product Selector

Alternative Fuels Catalogue 	Products for CNG Fuelling Stations & CNG Gas Supply Systems	
Regulators	Dome Loaded Spring Loaded	
Relief Valves		
Stop Valves		
Solenoid Valves		
Non Return Valves		
Filters		
Gas Turbine Valves		
Clean Gas Products		
	Special Products	
	Guidance Notes	

In addition to our standard product range, we have a extensive range of special designs and offer a custom build service. Contact our Sales office if you don't see what you want in our catalogue.

The information contained within this catalogue is for reference purposes only and is subject to change.

When selecting a product, the total system design must be considered to ensure safe, trouble free performance. Component function, material compatibility, adequate ratings, proper installation, operation and maintenance are the responsibility of the system designer and user.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: +44 (0) 1895 457 553
Enquiries to:
alternativefuels@halehamilton.com
www.halehamilton.com



Spring Loaded Regulators

Type number	Balanced	O2 Service	Soft Seat	Hard Seat	Clean Gas Service	Ultra High Purity	Nominal Bore - outlet passage (mm)		Port Sizes	Outlet Pressures (bar)			Maximum Inlet Pressure (bar)	Maximum Inlet Pressure (bar) - Liquids only	Inline connections	Manifold mounted	Data Sheet
							up to 6	Over 6		up to 10	10 to 100	over 100					
28/15 series		o	•	o			5		G3/8, 3/8NPT		58	241, 414, 655	465	690	•		Series 28 Industrial Spring Loaded Pressure Regulators
28/20 series	•	o	•	o				7	G1/2, 1/2NPT		58	241, 414	465	690	•		
28/41 series		o	•	•			4		G1/4		58		465			•	
L15 series		o	•				2		G3/8	1.7	10, 24, 52, 69	103	248		•		Precision Regulators
G15 series		o	•				2		G3/8		14, 24, 52	103, 170, 276	310		•		
G20 series	•	o	•					11	G1/2	1.7	10, 20, 35, 55	103, 170, 241	310		•		
L3 series		o	•				5		G1/4	0.7, 7	10		21		•		Low Pressure Regulators
GLD45	•	o	•					17.5	G3/4	5			35		•		High Flow Regulators
GLD44	•	o	•					13.5	3/4NPT		21, 41	103	310		•		
HP/UHP100T		•	•		•	o	4		1/4NPT	1.7, 3.4, 7	10		207		•		Clean Gas Regulators
HP/UHP1100		•	•		•	o		9	3/8NPT	0.7, 1.7, 3.4, 7	14, 20		310		•		
HP/UHP1400		•	•		•	o	6		1/4NPT	2.1 (abs)			10		•		
HP/UHP1550		•	•		•	o	6		1/4NPT	2, 5, 7	10, 20		376		•		
UHP1600		•	•		•		4		1/4NPT	2, 7	17		218		•		
HP/UHP1700		•	•		•	o	6		1/4NPT	2, 5	10		376		•		
CFPR1	•	•	•		•			10	1/2VCR		25	100, 280	320	690	•		Clean Gas High flow regulators

- Standard
- o Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Dome Loaded and Proportional Regulators

Type number	Balanced	Proportional	O2 Service	Soft Seat	Hard Seat	Nominal Bore - outlet passage (mm)			Port Sizes	Outlet Pressures (bar)		Maximum Inlet Pressure (bar)	Maximum Inlet Pressure (bar) - Liquids only	Data Sheet
						up to 10	10 to 20	over 20		up to 100	over 100			
Midget			○	●		5			G1/4		138	310		Miniature Dome Loaded Pressure Regulator (Midget Series)
RL1			○	●		8			G3/8	65		69		RL Series Low Pressure Dome Loaded Pressure Regulators
RL2			○	●		9			G1/2	65		69		
RL3			○	●			14		G1	65		69		
RL4			○	●			19		G1.5	65		69		
RL5			○	●				25	G2	65		69		
RL6			○	●				51	G3	31		35		
RH2			○	●	○	6, 9			G1		241	310		RH Series Dome Loaded Pressure Regulators
RH3			○	●	○	9	13, 19	25	G1.5		171	310		
RH4			○	●	○	9	13, 19	25, 38	G1.5, G2		103	310		
RH20	●		○	●	○	9			G1	31	241, 138	310		RH Series Balanced Dome Loaded Pressure Regulators
RH30	●		○	●	○		19		G1.5	51	172	310		
RH40	●		○	●	○			32	G2	90, 34		276		
RH7		●	○	●	○	2			G3/8	90	140, 240, 300, 400	465	690	RH Series Proportional Pressure Regulators
RH11	●	●	○	●	○	7			G1/2	90	140, 240, 300, 400	465	690	
RH15	●	●		●			12		G1/2	50		300		
RH5	●	●	●	●	○		12		2-12UN		250	420		
RH17	●	●					20		G1	50		300		

- Standard
- Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Back Pressure Maintaining Valves

Type number	Spring Loaded	Dome Loaded	Proportional	O2 Service	Soft Seat	Hard Seat	Clean Gas Service	Ultra High Purity	Nominal Bore (mm)		Port Sizes	Maximum Set Pressure MSP (bar)			Maximum Inlet Pressure (bar)	Inline connections	Insert	Data Sheet
									up to 10	over 10		up to 10	10 to 100	over 100				
28/17 Series	•			○	•	○			5			10	15, 70	138, 396	414	•		Series 28 Industrial Spring Loaded Pressure Regulators
L17	•			○	•				5		G3/8	1.7, 10	24, 52	103	1.2 x MSP	•		Precision Regulators
G18	•			○	•				5		G3/4			166, 241	1.2 x MSP	•		
VIC55	•				•				12					250	400		•	CNG Manifold BPMV Cartridge
VIC56	•				•				19					250	400		•	
HP50	•			○	•		•		5		1/4NPT	2, 7	17		17	•		Clean Gas Regulators
CFPM1	•			○	•		•		10		1/2VCR	2.5, 10		100, 250	320	•		Clean Gas High flow regulators
DR4		•		○	•	○			6		G1/2			138, 414	1 x MSP	•		DR Series Dome Loaded Back Pressure Regulators
DR2		•		○	•	○			8		G1/2		35		1 x MSP	•		
DR1		•		○	•	○			25		G1.5		69		1 x MSP	•		
DR3		•		○	•	○			51		G3		35		1 x MSP	•		
DR5		•		○	•	○			63		G3		35		1 x MSP	•		
DR30		•	•	○	•	○			5		G3/8		60	248, 414	465	•		
DR28		•	•	○	•	○			13		G1			100, 300	376	•		

- Standard
- Optional

MSP = Maximum Set Pressure

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Relief Valves

Type number	Direct	Differential	O2 Service	Soft Seat	Hard Seat	Ultra High Purity	Nominal Bore (mm)		Port Sizes	Maximum Set Pressures (bar)				Data Sheet	
							up to 10	over 10		up to 10	10 to 100	100 to 250	over 250		
RV110	●		○	●			4		1/4NPT			24, 57	103, 155, 206	103, 155, 206	RV Series Relief Valves
RV14	●		○	●	○		5		G1/2					379, 483	
RV13	●		○	●	○		6		G1/2					276	
RV9/10	●		○	●			8		G1/4, G3/8	3.4, 10					
RV105	●		○	●			8		1/2NPT	5, 7, 9	12				
RV12	●		○	●	○		9		G1/2			103			
RS series		●	○	●			9.5		G3/8, 3/8NPT	7	17, 34.5, 69	120, 172, 248	310, 350	RS Series Relief Valves	
RVA14		●	○	●			6		G5/8			103	310, 448	RVA Series in-line Relief Valves	
RVA12		●	○	●			11		G3/4				310		
RVA15		●	○	●			11		G1			103, 241	448		
RVA11		●	○	●			14		G3/4			207			
RVA10		●	○	●			19		G3/4	3, 10	34, 69	103			
LPR		●	○	●			8		G3/8	0.35, 2, 4				LPR Series Low Pressure Relief Valves	
CFRVS		●	●	●		●	10		1/2VCR		12, 30	120	320	Clean Gas Relief Valves	
CFLRV		●	●	●		●	6		1/4VCR	2, 5.5					

- Standard
- Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Stop Valves

Type number	Balanced	O2 Service	Soft Seat	Hard Seat	Clean Gas Service	Ultra High Purity	Manual Actuation	Pneumatic Actuation		Proximity switches	Nominal Bore (mm)				Port Sizes	Maximum Working Pressure (bar)	Inline connections	Manifold mounted	Data Sheet
								NC	NO		up to 6	6 to 15	15 to 20	over 20					
SVB11	●	●	●	○	○		●				5				G1/4	414	●		SVB Stop Valves
SV47 Series		●		●			●				6				G1/4, 1/4NPT	414	●		SV47_60 Series Stop Valves
SV60 Series		●	●	○			●	●				12			G1/2, 1/2NPT	276	●		
SV130 Series	●	●	○	●			●	●	○			12.5	16	20	1 3/8, 2 5/16, 2 UNF	420	●		SV130 Series Stop Valves
N Series	●	○	●	○			●	○			6	11	19	25	G5/8, G1, G1.5, G1.75	310	●		N series stop valves
ASV145 Series		●		●			●		○		6				G1/4	411	○	●	Manifold Stop Valves
HP/UHP3600 Series		●	●		●	○	●	●	●		5				1/4NPT	241	●		Clean Gas Diaphragm Stop Valves
UHP605 Series		●	●			●	●	●			4				1/2" tube stub	207	●		Clean Gas in-line diaphragm valves
HP2000 Series		●		●	●		●	●			4	8			1/4NPT	400	●		Clean gas sealed spindle stop valves
HP2200 Series	●	●		●	●		●	●				12.5			1/2NPT	400	●		
QA2		●	●				●				5				G1/4	280	●		Special Purpose Stop Valves
SRV50	●	●	●				●				3				G1/4, G1/2	280	●		
DV4			●					●						24	1/2NPT	31	●		Gas Turbine Stop valves
ASV134			●				●					19		3/4NPT	15	●			

- Standard
- Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Non Return Valves

Type number	O2 Service	Soft Seat	Hard Seat	Clean Gas Service	Ultra High Purity	Nominal Bore (mm)		Port Sizes	Cracking Pressure (bar)	Maximum Inlet Pressure (bar)	Inline connections	Insert	Data Sheet
						up to 6	Over 6						
NRS1	○	●				6		G1/4	0.38	414	●		Non return valves
NRS38	○	●					9	G1/2	0.38	414	●		
NRS2	○	●					12	G1/2	0.18	414	●		
NR81	○		●				12	G5/8	1	400	●		
NR83	○		●				16	G1.25	0.3	400	●		
NR84	○		●				16	G1	0.3	285	●		
NRS3	○	●	○				19	G1	0.28	414	●		
NRS4	○	●	○				25	G1.25	0.2	276	●		
HP10	●	●		●		5		1/4NPT	0.02, 0.07, 0.7, 1.7, 3.5, 7	376	●		Clean Gas Non return Valves
UHP10	●	●			●	5		1/4VCR	0.07, 0.7, 1.7	376	●		
VINRS13/16		●					12			400	●		CNG Manifold NRV Cartridge
VINRS16		●					12			400	●		
VINRS18		●					19			400	●		

- Standard
- Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Solenoid Valves

Type number	Direct operation	Piloted operation	Soft Seat	Hard Seat	Configuration			Standard Coil	High Power Coil	O2 Service	Nominal Bore (mm)		Port Sizes	Maximum Working Pressure (bar)	Data Sheet
					2 port NC	2 port NO	3 port				up to 6	over 6			
MV8	•		•			•			○		3		G1/4	138	Solenoid Valves Direct Acting
MV16	•		•		•		•		○		3		G1/4	138	
MV17	•		•				•		○		3		G1/4	138	
MV37	•		•	○			•	•	○		3		G1/4	414	
MV14	•		•		•		•		○		5		G1/4	207	
MV14	•		•		•			•	○		5		G1/4	310	
MV64	•		•			•		•	○		5		G1/4	276	
MV47	•		•	○			•	•	○		6		G3/8	207	
MV122	•		•				•	•	○		2		1/4NPT	690	
MV160	•		•		•				○		0.8		G1/4	300	Solenoid Valves Miniature
MV3		•	•				•	•	○		6		G1/4	276	Solenoid Valves Piloted
MV115		•	•				•	•	○		8	3/8NPT	700		
MV21		•	•		•		•		○		12	G1/2	276		
MV11		•	•				•	•	○		12	G1/2	276		
MV22		•	•		•		•		○		25	G1	276		
MV4		•	•				•	•	○		25	G1	276		

- Standard
- Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com



Filters

Type number	In-line	"Y"	O2 Service	Nominal Bore (mm)		Port Sizes	Flow area (cm ²) 20 micron element	Maximum Inlet Pressure (bar)	Data Sheet
				up to 6	Over 6				
F102	●		○	5		G1/4	0.11	245	F100 Series Filters
F126		●	○	5		G1/4	0.11	276	
F106	●		○	5.6		G1/4	0.3	414	
F103		●	○		16	G1	3	310	
F105	●		○		19	G1	3.2	414	
F108	●		○		19	G1	3.2	69	
F107	●		○		28	G1.5	5.2	414	
F109	●		○		38	G2	11.6	310	

- Standard
- Optional

We design, machine, build and test all our products on one site in Uxbridge. If you don't see what you want in our standard ranges, contact us and we'll do our best to meet your needs.

Hale Hamilton (Valves) Ltd
Cowley Road, Uxbridge, UB8 2AF, UK
Tel: 01895 236 525
www.halehamilton.com