

# New Low Pressure Gas Regulators by Pietro Fiorentini

- / The Pietro Fiorentini range of spring loaded low pressure gas regulators are now available to the Australian Gas Industry
- / Suitable for use with all types of Natural Gas, LPG and other non corrosive gases
- / Competitively priced and fully approved by the Australian Gas Association

With over 60 years experience Pietro Fiorentini are the European leaders in the design, manufacture and sale of gas pressure reduction and gas filtration products.

The very competitively priced Pietro Fiorentini range of low pressure regulators are self acting with a balanced valve and a double safety diaphragm. They are designed primarily for commercial or industrial gas applications.

Pietro Fiorentini purchased the FAG range of gas products in 2005. These have been progressively upgraded but are still compatible with prior FAG models.

Gas regulators are mandatory under Australian Standard AS 3814 whenever a gas appliance is connected to a gas supply.

## THE RANGE

- Compact or Standard versions
- Flanged or Screwed models

## ACCESSORIES

- Pressure Test Points

## FEATURES

- AGA Approval No. 6974
- Threaded Models from 15mm to 50mm
- Flanged Models from 25mm to 100mm
- Internal sensing line is standard
- Extensive range of spring sizes
- Provision for optional Inlet/Outlet pressure test point
- Maximum Inlet Pressure
- Outlet Pressure range (0.5kPa to 6kPa)
- Temperature range (-150C to 600C)



# Hydroflow Gas Regulator Selection Guide

Fag Series regulators without a Filter. Maximum Inlet Gas pressure of 7 Kpa.

Notes:

1/ Natural Gas - To bring cubic meters of natural gas to megajoules per hour - multiply the cubic meters of natural gas by its heating value = 38.7 H.V.  
 Eg: 9 cubic meters of natural gas – multiplied by the heating value of 38.7 = 348.3 megajoules per hour can flow through the selected regulator.

2/ LPG gas (propane) - To bring cubic meters of LPG (propane) gas to megajoules per hour - multiply the cubic meters of LPG by its heating value = 95.5 H.V.  
 Eg: 5 cubic meters of LPG (propane) gas – multiplied by the heating value of 95.5 = 477.5 megajoules per hour can flow through the selected regulator.

When selecting a Low Pressure Regulator – it is suggested that your selection is NO Less than 50% of the gas pipe diameter.  
 EG: You might have a 50mm gas pipe, but a 25mm gas regulator will do the job.

Questions to ask – to enable you to size a low pressure regulator

- 1/ Gas Pressure in.
- 2/ Gas Pressure out.
- 3/ Flow rate in LPG or NGas (mj/hr or cubic meters per hour).
- 4/ Pipe diameter.

## Sizing Chart for Low Pressure Fag Regulators

		NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG
<b>Inlet 1.1kpa</b>																			
Outlet kpa		1.05		1		0.9		0.75		0.5									
KG-PF30051	15mm	1.9	1.2	2.7	1.7	3.8	2.4	5	3.2	6.5	4.2								
KG-PF30052	20mm	2.3	1.5	3.3	2.1	4.7	3	6.2	4	8.1	5.2								
KG-PF30053	25mm	3.1	2	4.3	2.8	6.1	3.9	8.1	5.2	10.5	6.8								
KG-PF30151	20mm	5.6	3.6	8	5.1	11.2	7.3	14	9.1	19	12.3								
KG-PF30152	25mm	6.7	4.3	9.5	6.1	13.4	8.6	17	11	23	14.9								
KG-PF30154	40mm	16.7	10.8	23.5	15.2	33.3	21.5	43	27.8	57	36.9								
KG-PF30155	50mm	30.5	19.7	43.1	27.9	60.9	39.4	80	51.7	105	67.9								
<b>Inlet 2.75 kpa</b>																			
Outlet kpa		2.5		2		1.5		1.1		1		0.75		0.5					
KG-PF30051	15mm	4.2	2.7	7.3	4.7	9.4	6.1	10.8	7	11	7.1	11.8	7.6	12	8				
KG-PF30052	20mm	5.3	3.4	9.1	5.9	11.7	7.6	13.4	8.7	13.8	8.9	14.8	9.6	15	9.7				
KG-PF30053	25mm	6.9	4.4	11.9	7.7	15.3	9.9	17.5	11.3	18	11.6	19.2	12.4	20.3	12.9				
KG-PF30151	20mm	12.7	8.2	21	14	28	18.2	32	20.9	33.2	21.5	35	22.9	37	24				
KG-PF30152	25mm	15	9.7	25	16.2	33	21.3	38	24.6	39	25.2	42	27.2	44	28.5				
KG-PF30154	40mm	37	24	64	41.4	83	53.7	95	61.4	98	63.4	104	67.3	111	71.8				
KG-PF30155	50mm	68	44	118	76.3	152	98.3	174	113	179	116	191	124	203	131				
<b>Inlet 4 kpa</b>																			
Outlet kpa		3.75		3.5		3		2.75		2.5		2		1.5		1.1		0.75	
KG-PF30051	15mm	4	3	6	4	8	5	9	6	10	7	12	8	13	9	14	9	15	10
KG-PF30052	20mm	5	3	8	5	11	7	12	8	13	8	15	10	17	11	18	12	19	12
KG-PF30053	25mm	7	4	10	6	14	9	15	10	17	11	19	12	22	14	23	15	24	16
KG-PF30151	20mm	13	8	18	12	25	16	28	18	31	20	36	23	39	25	43	28	45	29
KG-PF30152	25mm	15	10	21	14	30	19	34	22	36	23	42	27	47	30	51	33	53	34
KG-PF30154	40mm	37	24	53	34	75	49	84	54	91	59	105	68	117	76	126	81	133	86
KG-PF30155	50mm	69	45	97	63	137	89	154	99	167	108	193	125	215	139	231	149	244	158
<b>Inlet 5 kpa</b>																			
Outlet kpa		4		3.5		3		2.75		2.5		2		1.5		1.1		0.75	
KG-PF30051	15mm	9	5	10	8	11	7	12	8	13	9	14	9	16	10	16	10	17	11
KG-PF30052	20mm	10	6	13	8	14	9	15	10	17	11	18	12	20	13	20	13	21	14
KG-PF30053	25mm	13	8	17	11	19	12	20	13	22	14	23	15	25	16	26	17	28	18
KG-PF30151	20mm	25	16	31	20	35	23	37	24	40	26	43	28	47	30	49	32	51	33
KG-PF30152	25mm	30	19	36	23	42	27	45	29	47	30	51	33	55	36	58	38	61	39
KG-PF30154	40mm	75	49	92	60	105	68	112	72	118	76	128	83	139	90	146	94	152	98
KG-PF30155	50mm	139	89	168	109	194	125	205	133	216	140	236	153	254	164	267	173	279	180
<b>Inlet 7 kpa</b>																			
Outlet kpa		6		5		4		3		2.75		2.5		2		1.5		1.1	
KG-PF30051	15mm	9	6	12	8	14	9	14	10	17	11	17	11	18	12	19	12	20	13
KG-PF30052	20mm	11	7	15	10	18	12	21	14	21	14	22	14	23	15	24	16	25	16
KG-PF30053	25mm	14	9	20	13	23	15	27	17	28	18	29	19	30	19	31	20	32	21
KG-PF30151	20mm	26	17	36	23	44	28	50	32	52	34	53	34	56	36	59	38	60	39
KG-PF30152	25mm	31	20	43	28	52	34	60	39	61	39	63	41	67	43	70	45	72	47
KG-PF30154	40mm	76	49	107	69	130	84	149	96	153	99	158	102	166	107	174	112	179	116
KG-PF30155	50mm	139	90	196	126	238	154	274	177	282	182	289	187	304	197	318	206	328	212