



ROAI
3820101



3814
3814010



492L
0043944B



ROAI Valve

Application

The Integrated Automatic Excess Flow Valve (ROAI) is used mainly in centralised gas installations (LPG, SNG, NG) inside buildings and installed before each cooking or kitchen appliance (stoves, ovens ...), and is designed to cut off the flow of gas if the flexible hose downstream is accidentally disconnected or damaged. The valve can also be closed manually.

Features

- Designed and manufactured according to NF EN29-140
- Working temperature -5°C to +60°C
- Maximum working pressure: 0.2bar
- Excess Flow valve is activated at a flow of between 1m³/h and 2.5m³/h.
- Equipped with a wall mounting bracket, easy to fix with sealing caps for screws

Construction

- Body: brass according to EN 12165
- Handle and Fixing support: reinforced plastic resin
- O-rings: NBR according to EN549

3814 UPSO Valves

Application

- This UPSO safety valve is mainly used to protect one single gas appliance, supplied by Natural Gas, LPG or SNG. It provides 2 key functions:
 - manually operated shut-off valve,
 - manually resettable shut-off valve which stops the flow of gas when:
 - the upstream gas flow is too low (lack of gas supply, clogged filter ...)
 - an excess of flow occurs (rupture of downstream pipe or hoses, oversized appliance ...)

Features

- Filter in the inlet connection
- Simple manual reset by turning the knob
- Possible lock-sealing of the knob in closed position

Construction

- Body and cover: die cast zinc alloy
- Diaphragm: NBR according to EN549
- Seat Pad: NBR according to EN549
- NF certified according to NF E29-134

492 Medium Capacity OPSO Valves

Application

- These OPSO valves are used in LPG, Natural Gas or SNG installations. They can also be used with other non-aggressive gases (air, nitrogen ...).
- They protect the installation from over pressures generated by the malfunctioning of the regulator (debris on the seat, ice blocking ...) or a re-liquefaction of LPG in the pipes.
- Low pressure models (492L) are generally installed upstream from the regulator and a sensing pipe is connected to the downstream pressure (external sensing).
- High pressure models (492H) are installed either upstream from the regulator (external sensing) or downstream from the regulator (internal sensing).
- These valves can handle flow rate capacity of up to 100kg/h of LPG at 2bar supply pressure, and 50kg/h at 0.75bar

Features

- Operation indicator
- Easy reset system, sealable
- Test point (optional)
- Vent protection

Construction

- Body and cover: die cast zinc alloy
- Diaphragm: NBR according to EN549
- Valve pad: NBR according to EN549

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	Inlet pressure (Pu) mbar	Flow rate (LPG)		Flow rate (NG)		UPSO mbar	Observation
						kg/h	kW	m ³ /h	kW		
3814											
3814004	F2C	FEM-Rp3/8	F2C	FEM-Rp3/8	19-50	1,25	17	1	11	8-14	none
3814002*	E1D	MAL-G1/2RH	E1D	MAL-G1/2RH	20-25	1,25	17	1	11	8-14	Supplied with a pin sealing
3814010	E1D	MAL-G1/2RH	E1D	MAL-G1/2RH	19-50	1,25	17	1	11	8-14	none

* NF certified

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	Service pressure mbar	EFV			Observation
						m ³ /h	kW (LPG)	kW (NG)	
ROAI									
3820001*	E1D	MAL-G1/2RH	E1D	MAL-G1/2RH	20-25-37	1,0 - 2,5	14-35	11-28	Without cap
3820101*	E1D	MAL-G1/2RH	E1D	MAL-G1/2RH	20-25-37	1,0 - 2,5	14-35	11-28	With cap
3820201*	E1D	MAL-G1/2RH	E1D	MAL-G1/2RH	20-25-37	1,0 - 2,5	14-35	11-28	Nickel plated

* NF certified

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	Service pressure bar	Impulse	Impulse connection	OPSO mbar or bar
492H								
004393AA	F3D	FEM-Rc1/2	F3D	FEM-Rc1/2	16	Internal	-	2,5(2-4)bar
004393AB	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	16	Internal	-	2,5(2-4)bar
004393AC	F5D	FEM-1/2NPT	F5D	FEM-1/2NPT	16	Internal	-	2,5(2-4)bar
004393AD	F5E	FEM-3/4NPT	F5E	FEM-3/4NPT	16	Internal	-	2,5(2-4)bar
004393AE	F5E	FEM-3/4NPT	F5E	FEM-3/4NPT	16	External	PLUG G1/8	2,5(2-4)bar
004393AF	F5E	FEM-3/4NPT	F5E	FEM-3/4NPT	16	External	PLUG G1/8	1,0 (0,4-2)bar
004393BA	F3D	FEM-Rc1/2	F3D	FEM-Rc1/2	16	External	PLUG G1/8	1,4(0,4-2)bar
004393CA	F3D	FEM-Rc1/2	F3D	FEM-Rc1/2	16	Internal	-	1,2 (0,4-2)bar
492L								
004394AA	F3D	FEM-Rc1/2	F3D	FEM-Rc1/2	16	External	PLUG G1/8	100 (80-140)mbar
004394AB	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	16	External	PLUG G1/8	100 (80-140)mbar
004394AC	F5D	FEM-1/2NPT	F5D	FEM-1/2NPT	16	External	PLUG G1/8	100 (80-140)mbar
004394AD	F5E	FEM-3/4NPT	F5E	FEM-3/4NPT	16	External	PLUG G1/8	100 (80-140)mbar
004394BA	F3D	FEM-Rc1/2	F3D	FEM-Rc1/2	16	External	PLUG G1/8	38 (35-80)mbar