



# NF Mark Valves for gas installations

## Why to buy NF ROB-GAZ marked valves?

NF ROB-GAZ mark give a proof of conformity to regulation of gas installations (arrêté du 2 août 1977); so it guarantees quality and safety of valves for gas installations.

Certification procedure is managed by CERTIGAZ, a certification body specialised for gas equipment, on behalf AFAQ AFNOR Certification.

CERTIGAZ use a network of accredited testing laboratories and its team of specialised auditors.

For NF ROB-GAZ certification, valves are regularly tested by accredited testing laboratories (CETIAT, CSTB, GDF, LPGL) and manufacturing premises are audited at least every year according to NF ROB-GAZ certification rules (available at [www.certigaz.fr](http://www.certigaz.fr)).

## How to recognize NF ROB-GAZ valves?

- Check that NF logo is put on the valve or its package,
- Ask the manufacturer a copy of their NF ROB-GAZ certificate,
- Read the list of certified products at [www.certigaz.fr](http://www.certigaz.fr) or [www.marque-nf.com](http://www.marque-nf.com).

## Regulation of gas installations in buildings

The « arrêté du 4 mars 1996 modifié portant codification des règles de conformité des matériels à gaz aux normes françaises les concernant » lists the standards made mandatory according to article 4 of « arrêté du 2 août 1977 modifié relatif aux règles techniques et de sécurité applicables aux installations de gaz combustible et d'hydrocarbures liquéfiés situés à l'intérieur des bâtiments d'habitation ou de leurs dépendances ». It recognizes NF mark as a proof of conformity to regulation related to gas equipment.

Installation rules are given by « arrêté du 2 août 1977 modifié relatif aux règles de sécurité des installations de gaz » and by standard NF P 45-204.

## Regulation of distribution networks

According to article 6 of « arrêté du 13 juillet 2000 portant règlement de sécurité de la distribution de gaz combustible par canalisations », the network operator is responsible for choosing equipment and material used in the network.

## Valves for gas installations in buildings

Those valves are used inside buildings as shut-off valves or for controlling appliances.

They conform to EN 331 and to standards listed in table herewith.

Valves for controlling household cooking appliances must be fitted with a safety device which automatically shut off gas supply when the hose is cut or unplugged.



Safety valve (Cléré)

Designation	Standard	MOP
Low pressure valves	XP E 29-135	0,5
Safety valve (with automatic shut off device)	XP E 29-140	0,2
Medium pressure valves	XP E 29-141	5

## Valves for use upstream the meter

Those valves conform to EN 331, to SROB100-NF technical specification and to standards listed in table hereafter. They are accepted by gas network operators who use NF ROB-GAZ mark as a quality sign.

Designed to be used upstream gas meters (temperature class -20°C), they can be fitted with various accessories or optional, such as external or internal blocking systems, test orifices, handling mean, plinth, automatic blocking system.

Test orifices must conform to SROB101-NF technical specification and can grant an accessory NF ROB-GAZ approval.

Type	Designation	Standard	MOP
E	Rotary ¼ valve, MPB, JSC/JSC	XP E 29-141	5
E1	Rotary ¼ valve, MPB, PE/JSC	XP E 29-141	5
EA	Valve ¼, MPB, JSC/JSC	XP E 29-141	5
E1A	Safety rotary ¼ valve, MPB, PE/JSC	XP E 29-141	5
D	Meter valve, JPC/JPC	XP E 29-135	0,5
C	Valve, JPG/JPG	XP E 29-135	0,5
M	Valve with copper pipes for brazing	XP E 29-135	0,5

JSC : spheroconic joint NF E 29 536

JPG : gas flange joint NF E 29-532

PE : NF 136 metal plastic joint

Cu : copper pipes for brazing

JPC : meter flange joint NF E 29-532



Type D (Banides et Debeaurain)



Type E1A (Chuchu Decayeux)

## Other valves

### Metallic butterfly valves

Those valves exist with very large diameter ranges and can be used both downstream and upstream the meter for specific application as pressure regulating stations for boiler rooms or commercial buildings.

### Automatic safety valves for kitchen pipes

Automatic safety valves for kitchen pipes conforming to NF E 29-134 are fitted with a safety device which shut off gas supply in case of low supply pressure.

They conform to requirements of article 13.3 of « arrêté du 2 août 1977 modifié ». (cf. Regulation).

### Push-button valves

Those so-called push button-valves MPB, JSC/JSC (type F) or PE/JSC (type F1) must conform to XP E 29-142 based on EN 331.

Originally designed for use upstream the meter, they are no more prescribed by network operators but remain used for replacement or for some particular applications such as in open to public premises (ERP).



(Photo KSB)



(Photo Clesse)



Type F (Banides et Debeaurain)

