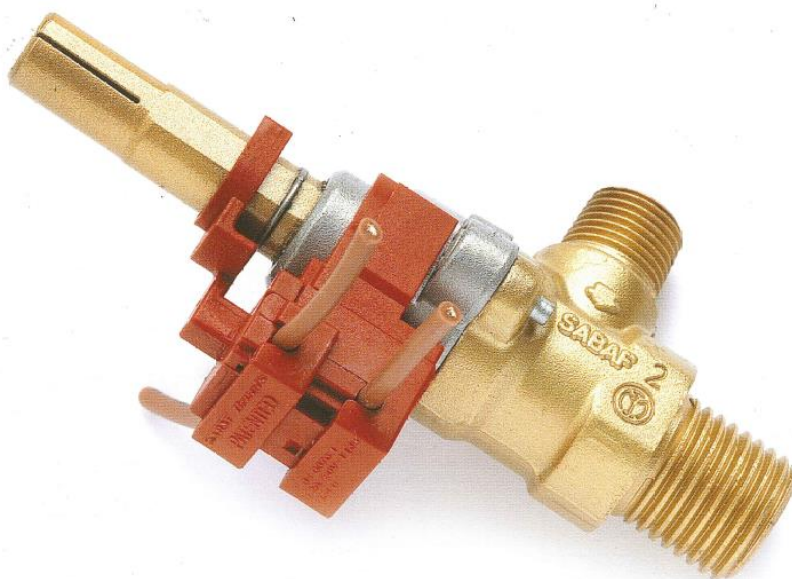




**TECHNICAL CHARACTERISTICS**  
**INSTRUCTIONS FOR USE, ASSEMBLY INSTRUCTIONS,**  
**MAINTENANCE INSTRUCTIONS**



**MODEL 2 – 2X – 2Y – 2XY**

**MANUALLY-OPERATED GAS VALVE**

 Gas Safety Certified	
<b>AS 4617 - 2018</b>	<b>EN 1106:2010</b> <b>EN 13611:2019</b>

## GENERAL INSTRUCTIONS

Feature	Description
Type	2 - conical plug valve
applications	hot plates, ovens, grills etc
types of gas used	1 <sup>st</sup> – 2 <sup>nd</sup> – 3 <sup>rd</sup> family
group	1
number of outlets	1
nominal diameter	8
maximum working pressure	6.5 kPa
minimum working temperature (body)	0°C
maximum working temperature (body)	130°C
nominal flow rate	0.460 m <sup>3</sup> /h (test gas: air - pressure drop 100 Pa)
Reduced flow rate	0.06 m <sup>3</sup> /h (test gas: air – pressure drop 100 Pa)
opening angle of max. flow rate	90°
opening angle of min. flow rate	160°
external leak tightness	leakage ≤ 60 cc/h (1 ml/min) (air - pressure 15 kPa)
internal leak tightness	leakage ≤ 20 cc/h (0.3 ml/min) (air - pressure 15 kPa)
gas valve continued operation	40,000 cycles (EN 1106:2010 - EN 13611:2019) 10,000 cycles (AS 4617-2018)
inlet gas connection	threaded (see attached sheets)
outlet gas connection	see attached sheets
storage temperature range	-15°C to +50°C

## INSTRUCTIONS FOR USE

To turn the valve on, simultaneously press and turn the control shaft.

Pressing the control shaft frees the valve from the “closed” position block. This allows the plug to rotate and the gas to pass to the burner.

Maximum flow-rate is reached after turning the control shaft through 90°; reduced flow-rate is reached by continuing the rotation up to 160°.

The valve has an adjustable perforated metering screw (by-pass) which fixes the reduced flow-rate at a preset value when fully tightened. If a different type of gas is used, the amount of reduced flow can be adjusted by turning the by-pass with a screwdriver inserted into the hole in the control shaft.

## ASSEMBLY INSTRUCTIONS

**The valves are designed to be used inside the cooking appliances, protected from any possible infiltrations of liquid or dirt and from the atmospheric agents. The non-observance of this prescription can compromise the correct working and the safety of the product.**

The valves are suitable for assembly onto manifolds of various diameters either by means of a nut and olive fixing system or by means of a direct screwing onto the tubing. When screwing the valve onto the manifold, tightness will be obtained by use of a proper sealant.

The outlet is designed for an injector or connection pipe to the burner.

To avoid damage that may compromise correct functioning of the valve, do not exceed the tightening torques listed in the attached tables.

**To avoid dirt or other material entering the equipment which may affect functioning of the valve, a suitable filter should be mounted on the manifold supply inlet.**

## MAINTENANCE INSTRUCTIONS

Maintenance of the taps is not foreseen, in case of failure or incorrect operation replace the tap with a new one (same model and same characteristics).

**NB.: Leak test should be performed using a suitable appliance. Leak test mustn't be done by means of a flame or immersion of the valve in water or other liquids. The non-observance of this prescription can compromise the correct working and the safety of the product.**

## **SAFETY & ENVIRONMENT INSTRUCTIONS**

Please note that none of our products / components contain substances that may be released intentionally during normal or reasonably foreseeable use.

The normal or reasonably foreseeable use of our items does not involve particular precautions; only for disposal at the end of their life, it is recommended not to subject the products / components to mechanical processing such as cutting or drilling, which could cause exposure to the substances contained in the products / components or their dispersion into the environment.

## VARIANTS

### INLET VARIANTS

inlet	denomination	assembly
50	tube diameter 6 mm	compression fitting
51	tube diameter 7 mm	compression fitting
52	tube diameter 8 mm	compression fitting
53	tube diameter 1/4"	compression fitting
54	Gc 1/8" angle 6°	various
55	G 1/8"	various
56	M 10 x 1	various
57	1/8" NPT CON. 6°	various
58	1/8" NPT	various

### OUTLET VARIANTS

outlet	denomination	assembly
A	injector	injector + external thread
B	injector	injector
C	tube diameter 6.35 mm	compression fitting
D	tube diameter 6.35 mm	compression fitting
E	G 1/4"gas	flared tube
F	M 14 x 1.5	flared tube
G	M 15 x 1.5	flared tube
H	M 16 x 1.5	flared tube
I	tube diameter 6 mm	compression fitting
L	tube diameter 7 mm	compression fitting
M	tube diameter 8 mm	compression fitting
N	tube diameter 8 mm	compression fitting
O	M 12 x 1	flared tube
P	tube diameter 9.525 mm	compression fitting
R	injector	injector
S	tube diameter 7 mm	compression fitting
T	tube diameter 6 mm	compression fitting
W	M 16 x 1.25	flared tube

#### Max. torque values:

maximum torque value		
Component	Nm	lbf.in
Nut + (olive) + tube for outlet of valves	15	133
Screws for fixing brackets	1.5	13
Injectors	4	35

**MANUFACTURING DATE CODES**

MONTH	CODE
JANUARY	N
FEBRUARY	O
MARCH	P
APRIL	R
MAY	S
JUNE	T
JULY	U
AUGUST	V
SEPTEMBER	W
OCTOBER	X
NOVEMBER	Y
DECEMBER	Z

YEAR	CODE
1992	A
1993	B
1994	C
1995	D
1996	E
1997	F
1998	H
1999	I
2000	J
2001	K
2002	L
2003	M
2004	4
2005	5
2006	6
2007	7
2008	8
2009	9
2010	0
2011	1
2012	2
2013	3
2014	4
2015	5
2016	6

EXAMPLE: A COMPONENT PRODUCED IN APRIL 2004 IS MARKED

**R4**

Alternatively, on the component can be marked a four digit code indicating the week (first two digits) and the year of production (last two digits).

EXAMPLE: A COMPONENT PRODUCED THE 14<sup>TH</sup> WEEK OF 2004 IS MARKED

**1404**

Alternatively, on the component can be marked the day (first digits), the month (according with the code in table above) and the year of production (last two digits).

EXAMPLE: A COMPONENT PRODUCED IN APRIL, 19 2004 IS MARKED

**19 R 04**