



Bruciatori Santin

VT/ Valve Trains

[Bulletin 1003-2 – Standard Valve Trains – 06/02/2017]



Bruciatori Industriali Santin valve trains are designed to have:

- Easy and fast installation directly on the burner
- Safety operation
- Reliability in all application

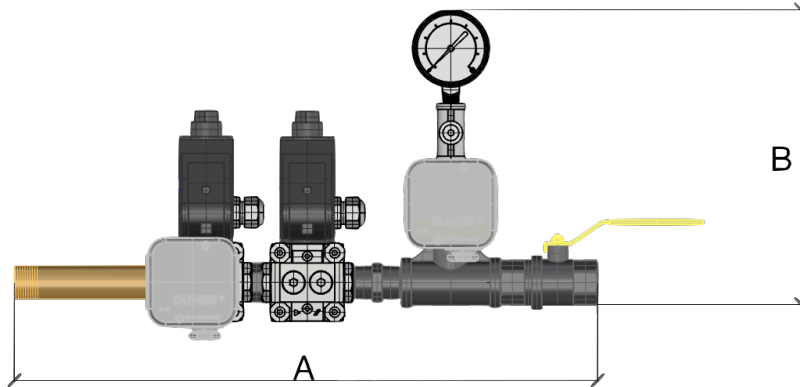
Our Standard valve trains are developed in the the NFPA or EN746-2 utilizing UL CSA, FM and CE marked components.

Valve train are developed from 3/8 " to 2"-1/2*, threaded or flanged according to applications and needs.

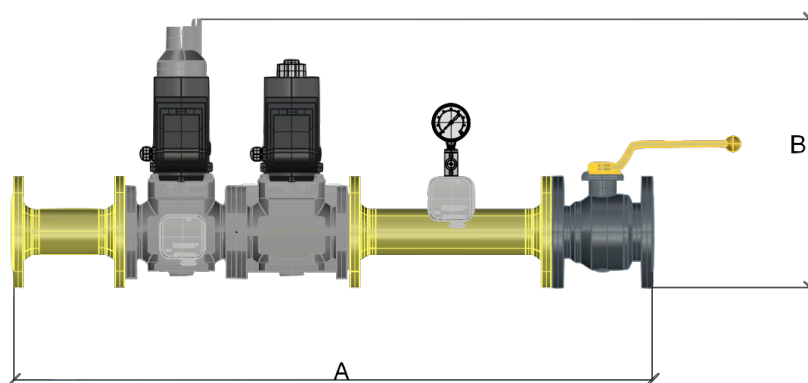
VT-VAS/EVP*-1stage

These solutions are available with 2 different solenoids and includes:

- Manual ball valve
- Double gas solenoids (slow and fast)
- Minimum gas pressure switch
- Maximum gas pressure switch
- Pressure gauge with tap



Pos	Model	Size (inch)	A (mm +-50)	B (mm +-50)
1	VT-VAS/EVP-1S-01	3/8	479	241
2	VT-VAS/EVP-1S-02	1/2	479	241
3	VT-VAS/EVP-1S-03	3/4	520	241
4	VT-VAS/EVP-1S-04	1	520	241
5	VT-VAS/EVP-1S-05	1-1/2	580	24
6	VT-VAS/EVP-1S-06	2	730	250

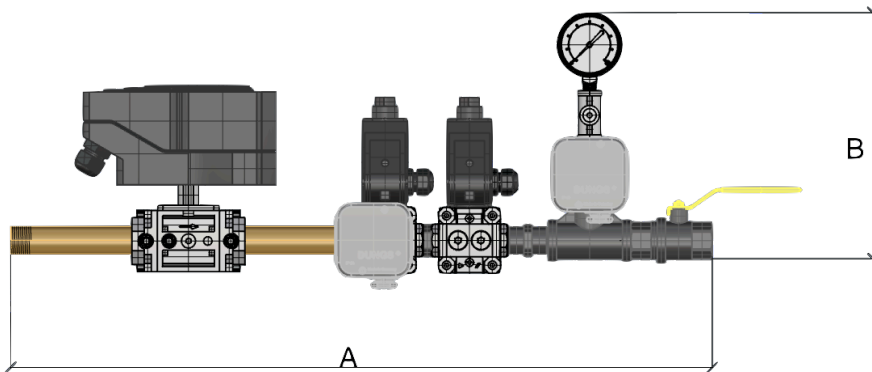


Pos	Model	Size (inch)	A (mm +-50)	B (mm +-50)
7	VT-VAS-1S-07F	2"-1/2	1.060	450

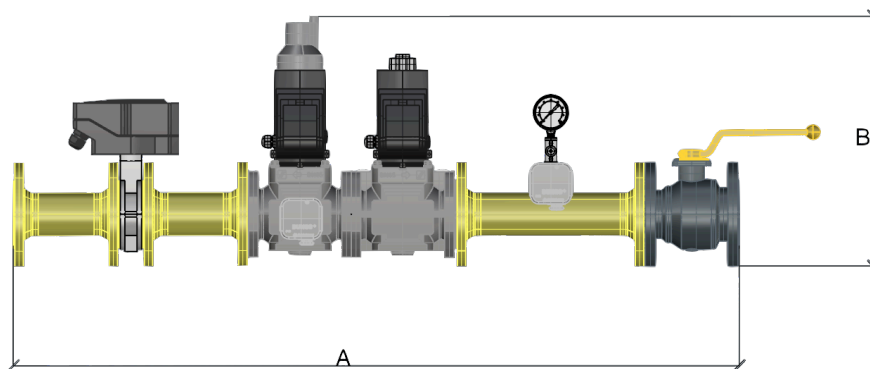
VT-VAS/EVP*/+stages

These solutions are available with 2 different solenoids and includes:

- Manual ball valve
- Double gas solenoids
- Actuator with valve
- Minimum gas pressure switch
- Maximum gas pressure switch
- Pressure gauge with tap



Pos	Model	Size (inch)	A (mm +-50)	B (mm +-50)
8	VT-VAS/EVP/+S-01	3/8	689	241
9	VT-VAS/EVP/+S-02	1/2	689	241
10	VT-VAS/EVP/+S-03	3/4	750	241
11	VT-VAS/EVP/+S-04	1	750	241
12	VT-VAS/EVP/+S-05	1-1/2	789	241
13	VT-VAS/EVP/+S-06	2	839	250



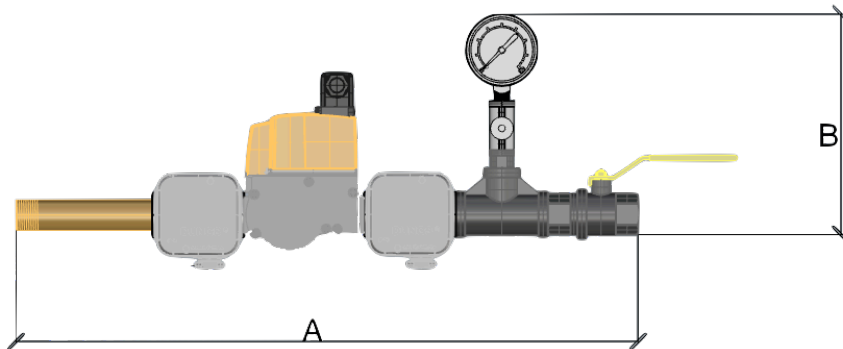
Pos	Model	Size (inch)	A (mm +-50)	B (mm +-50)
14	VT-VAS/+S-07F	2"-1/2	1.300	450

*Choose the model. Other size on request

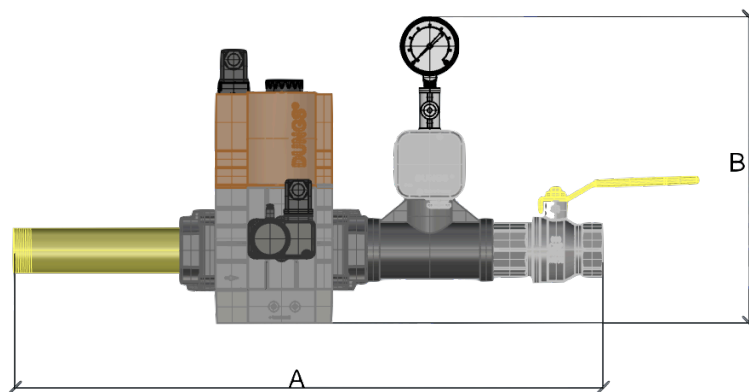
VT-MBC/+stages

This solution includes:

- Manual ball valve
- Mono-block double gas safety solenoids
- Minimum gas pressure switch
- Maximum gas pressure switch
- Pressure gauge with tap



Pos	Model	Size (inch)	A (mm +-50)	B (mm +-50)
15	VT-MBC/+S-01	1/2	548	200
16	VT-MBC/+S-02	3/4	560	200



Pos	Model	Size (inch)	A (mm +-50)	B (mm +-50)
17	VT-MBC-VEF/+S-03	1	600	310
18	VT-MBC-VEF/+S-04	1-1/2	635	330
19	VT-MBC-VEF/+S-05	2	740	340

N.B all VT are std 230V

Optional
Model Position

Optional	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
TC- Tightness control	A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
TC- Pressure switch	B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
KIT-Starting flame	C	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
3-joint connection /outlet gas	D	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Manual ball valve / outlet gas	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
KIT levers for Min/Max solutions	F	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
Pressure gauge with tap after solenoids	G	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gas stabilizer with filter	H	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Anti-Vibration flexible pipe	I	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
110V – Tension	M	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Actuator control 4-20mA	O	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
Actuator control 0-10 V	Q	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N

Y= Available for that model and size
N= Not available for that model and size
P= Position

Diagram for methane gas

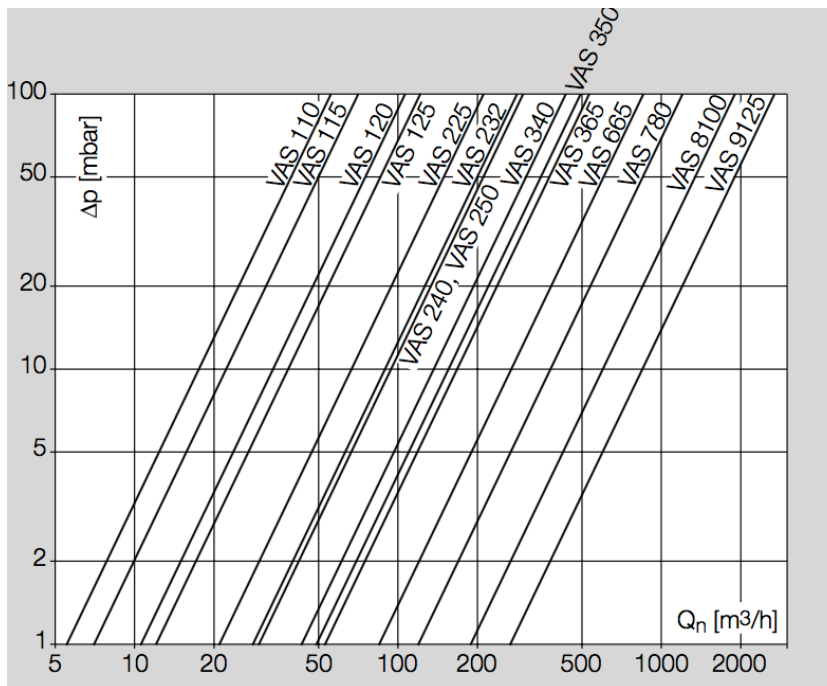


Figura 1 Grafico VAS from pos 1 to pos 14

Diagramma calcolato con P1 = 50 mbar
 Diagram calculated with P1 = 50 mbar
 Schéma calculée avec P1 = 50 mbar
 Diagramm mit P1 = 50 mbar berechnet
 Diagrama calculado con P1 = 50 mbar

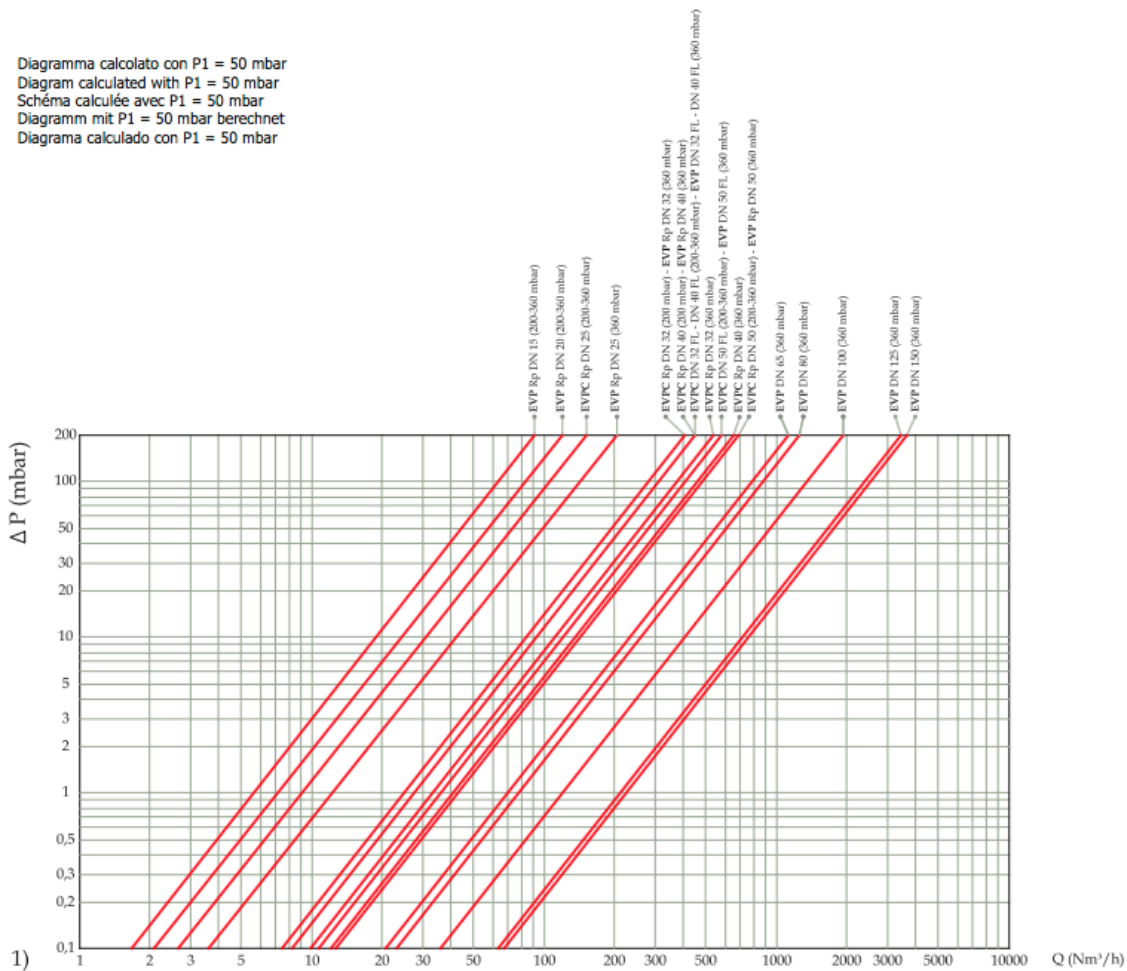


Figura 2 Grafico EVP from pos 1 to pos 14

DIAGRAMMA PORTATE

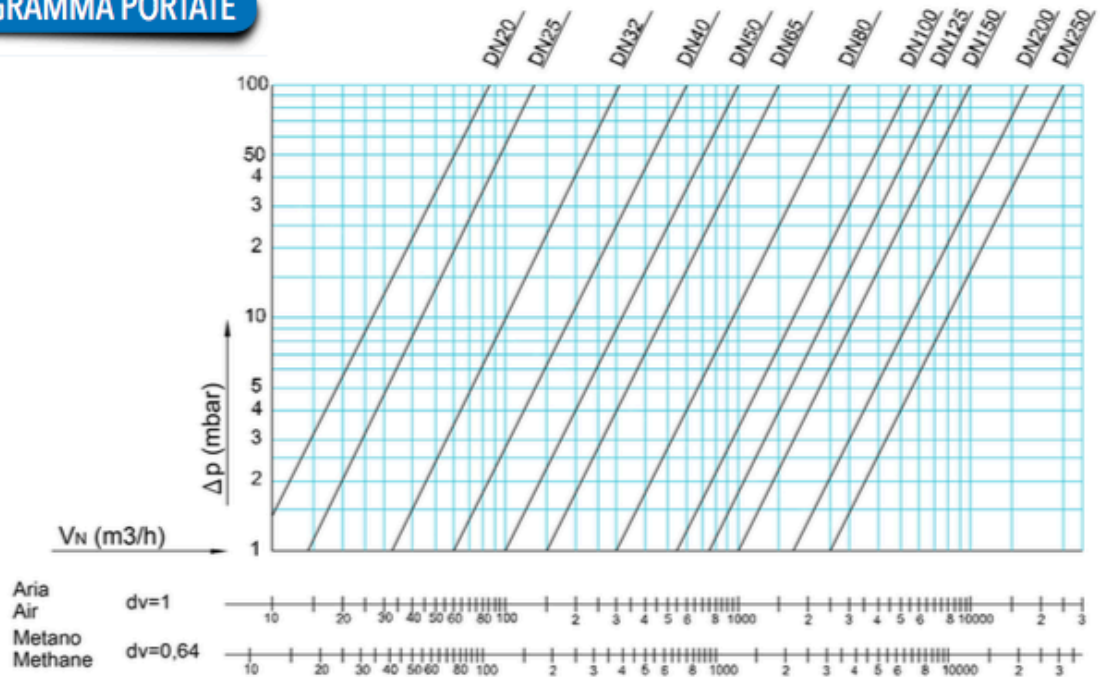


Figura 3 Grafico Butterfly valve from pos 8 to pos 13

DIAGRAMMA PORTATE

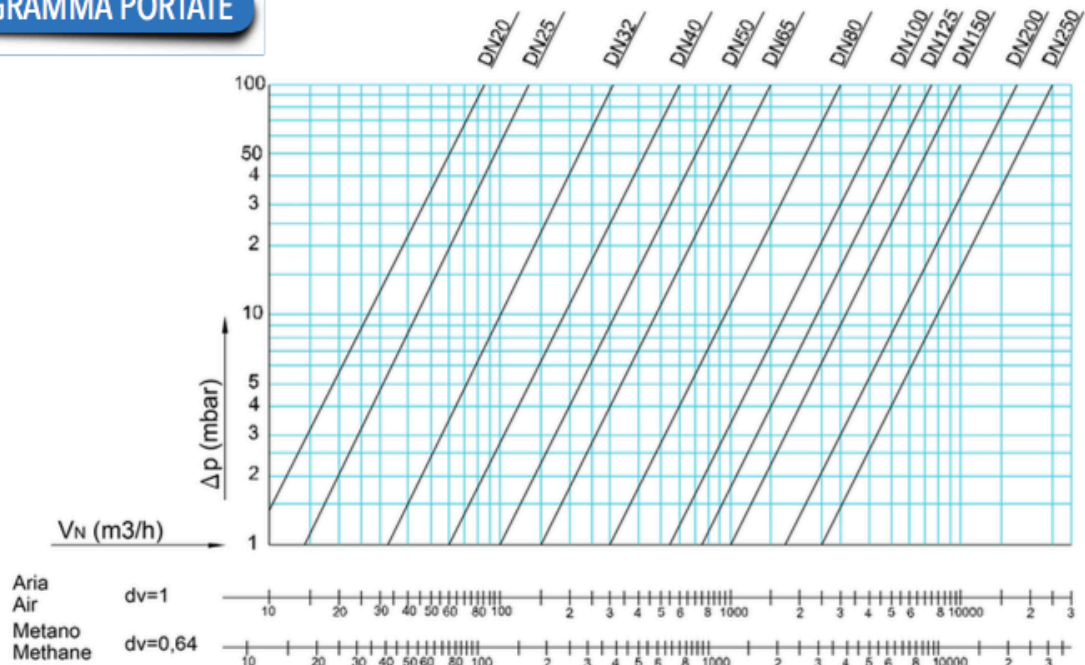


Figura 4 Grafico Butterfly valve pos 14

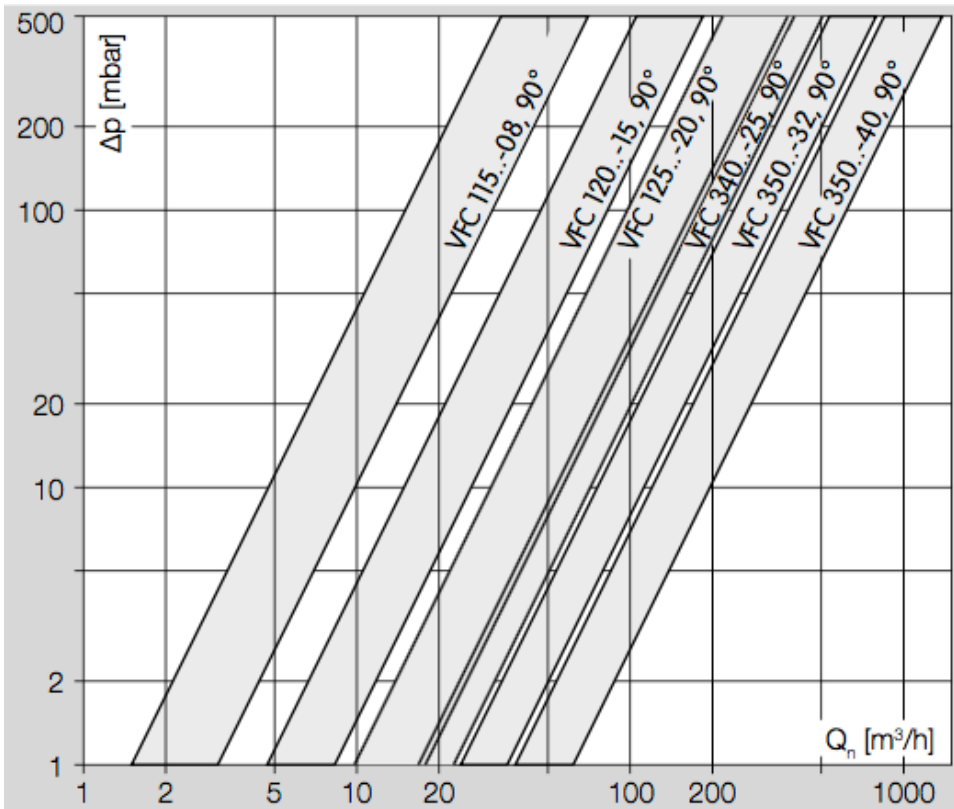


Figura 5 Grafico Modular valve from pos 8 to pos 13

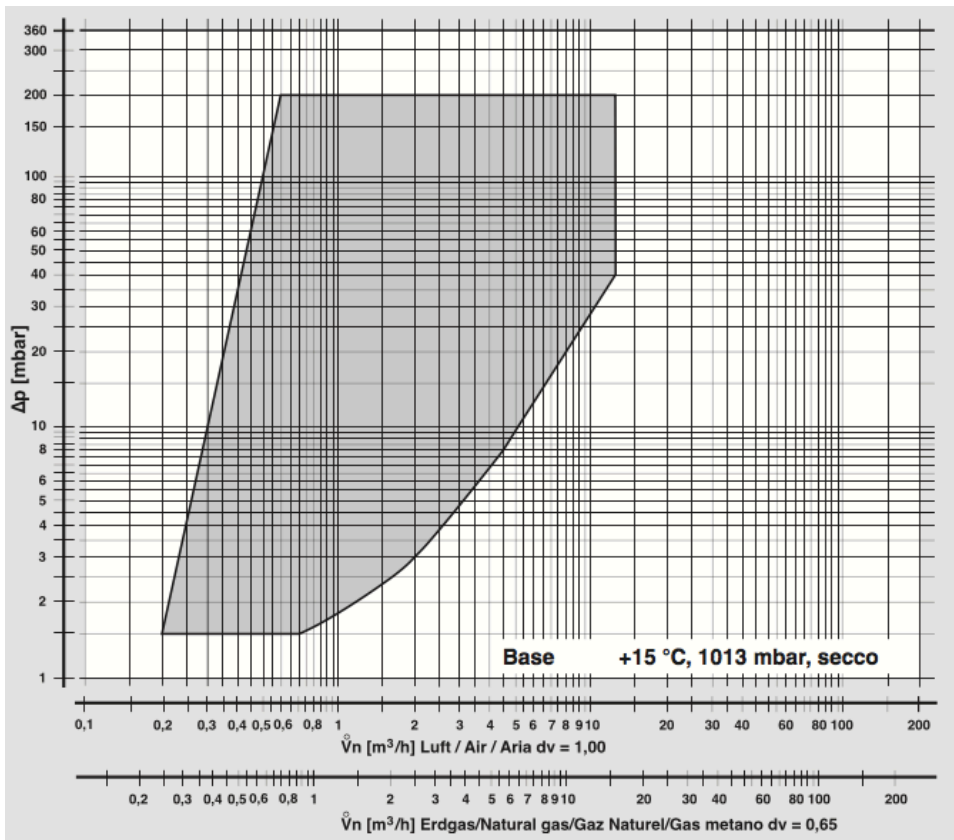


Figura 6 Grafico MBC pos 15

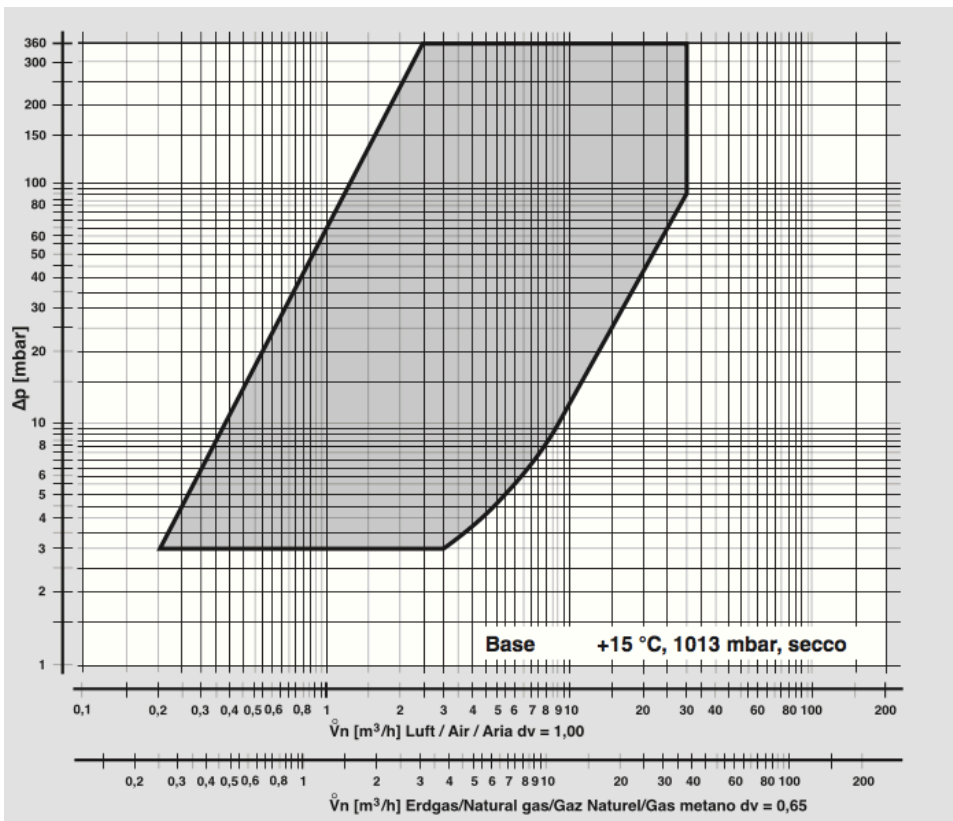


Figura 7 Grafico MBC pos 16

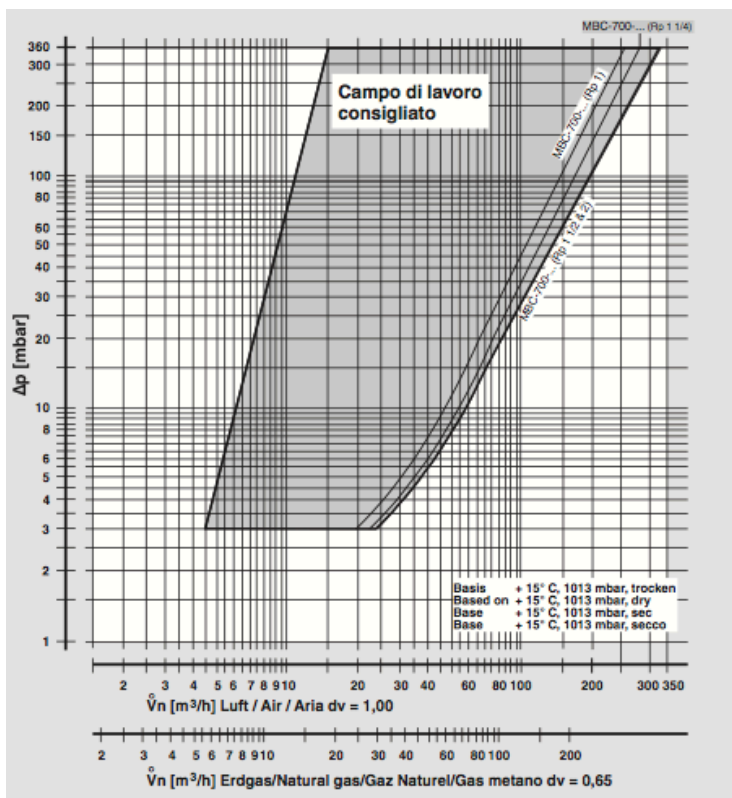


Figura 8 Grafico MBC pos 17

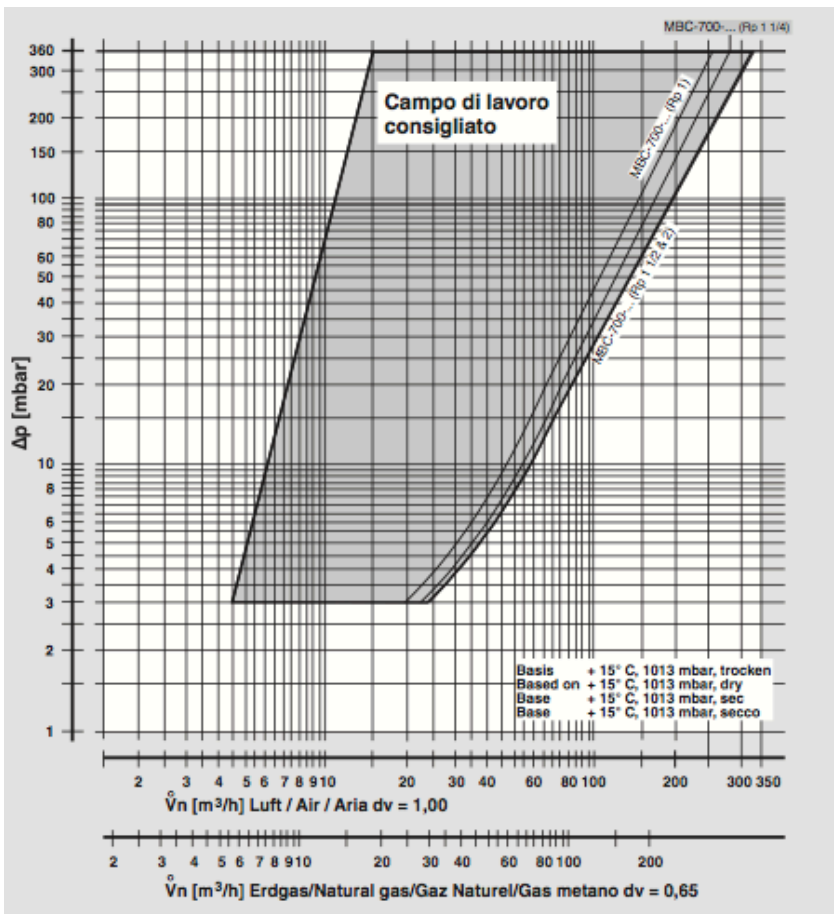


Figura 9 Grafico MBC pos 18

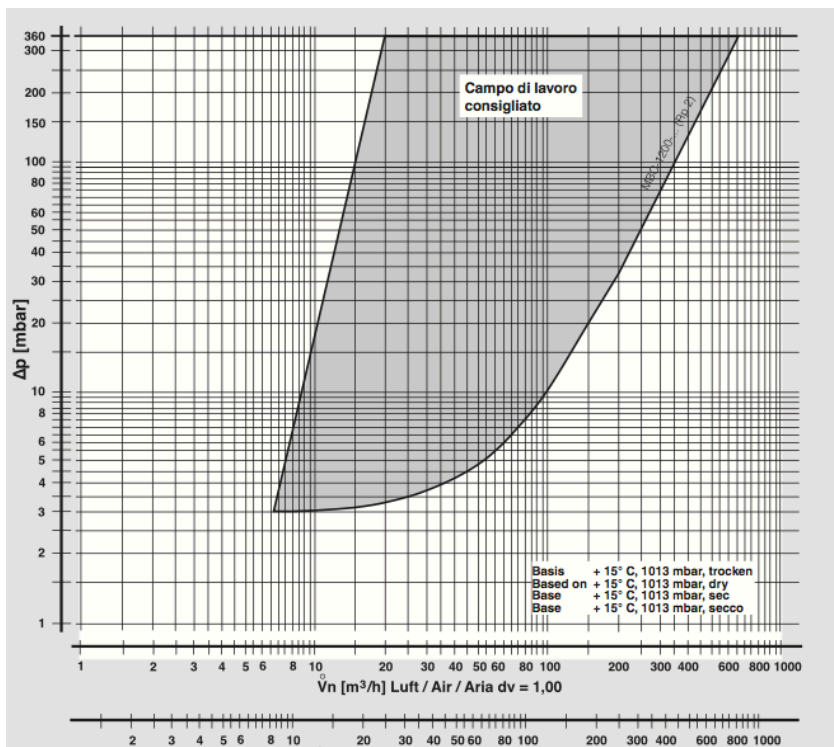


Figura 10 Grafico MBC pos 19

Easy Order

	Model	Optional													
VT															

- Bruciatori Industriali Santin riserva il diritto di modificare e variare i prodotti senza obbligo di notifica.
- Tutti di dati / grafici indicati e presentati in questo documento sono approssimativi.
- The performances mentioned are indicative. Performance and dimensions are guidelines only. The information contained in this catalogue is updated at the time of printing but can be changed without notice or obligation to notify.
- All data / graphs shown in this document are approximate.

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