

2 WAYS CONTROL VALVE

TYPE 6000 HP

Description

Two ways pneumatic control valve especially designed for a wide range of fluids like water, thermal oil, steam, nitrogen, natural gas, etc... These pneumatic control valves offer an optimized and modular solution for industrial process.

Characteristics

Flanges DN25 to DN300

Threaded 1" to 4"

Welded -BW: DN25 to DN300

Welded -SW: DN25 to DN100

Material: Steel 1.0352 – A 105

Steel 1.7335 – A 182 F12

Steel A 182 F22

Steel 1.0619 – A 216 WCB/WCC

Steel 1.6220 – A 352 LCB

Steel 1.7357 – A 217 WC6

Steel 1.7379 – A 217 C12

Stainless steel 1.4401 – A 182 F316

Stainless steel 1.4404 – A 182 F316L

Stainless steel 1.4408 – A 351 CF8M

Stainless steel 1.6982

Brides / Flanges PN63, 100, 160, 250 - Class 600, 900, 1500

Clapet parabolique et perforé avec loi égal pourcentage (=%) / Parabolic or perforated cone

Kvs 0,4 to 1300

Packing : Graphite

Temperature range : - 60°C à/to + 560°C

Turndown 30 up to seat 15 and 50 after.

Options

Perforated cone

Linear characteristic

Piloted cone

Raccordements BW / BW ends

High temperature cover

SS Hardened seat cone 1.4122

Stellited cone

Actuator

Pneumatic or Electric actuators

Features

6000 control valves are designed and built in France ensure you an excellent reliability related to exceptional performance.



How to order

6000HP DN50 PN100 KVs 30 actuator PA60 A6 6S NF

Certification

DESP; ATEX II 2 G/D; ISO9001 / PED; ATEX II 2 G/D; ISO9001

Combination DN – Material – PN/Class

Class PN	Acier / Steel												Acier inoxydable / Stainless steel							
	1.0352	1.0619	1.6220	1.7335	1.7357	1.7379	A 105	A 182 F12	A182 F22	A 216 WCC	A 217 C12	A 217 WC6	A 352 LCB	1.4401	1.4404	1.4408	1.6982	A 182 F316	A 182 F316L	A 351 CF8M
DN	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	PN100 / PN160 / PN250	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500	Class600 / Class900 / Class1500
25	✓			✓			✓	✓					✓	✓				✓	✓	
50		✓	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓
80		✓	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓
100		✓	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓
150		✓	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓
200		✓	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓
250		✓*	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓
300		✓*	✓		✓	✓			✓	✓	✓	✓				✓	✓			✓

Cone Types

Parabolic cone

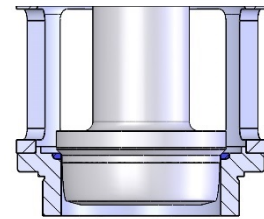
Characteristics : =%

Material : 1.4404 – Chargement stellite en option

Sealing : Métal-métal / Metallic tight

Tightness : Classe IV (<0.01% Kvs) ANSI B16-104/ FCI 70-2-2006 (EN 60534-4)
Classe V en option

Applications : All fluids



PARABOLIC CONE

Perforated cone (option)

Characteristics : =% ou linéaire en option / =% or linear in option

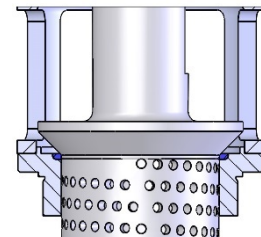
Material : Inox 1.4404 ou inox durci 1.4122 / Stainless steel 1.4404 or 1.4122

Etanchéité : Metallic tight

Tightness : Classe IV (<0.01% Kvs) ANSI B16-104/ FCI 70-2-2006 (EN 60534-4)
Classe V en option

Applications : Gaz et vapeurs : Noise reduction

Liquide : Cavitation less, flashing, noise reduction



PERFORATED CONE

Staged perforated cone

Characteristics : =% or linear in option

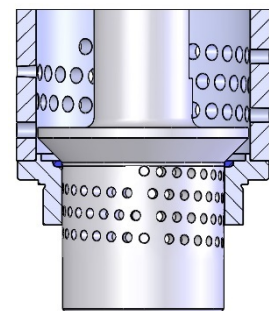
Material : Stainless steel 1.4404 or 1.4122

Etanchéité : Métal-métal / Metallic tight

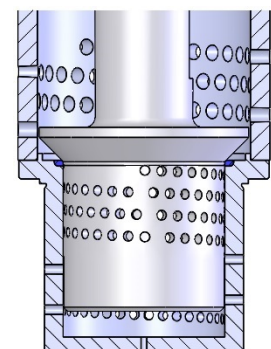
Tightness : Classe IV (<0.01% Kvs) ANSI B16-104/ FCI 70-2-2006 (EN 60534-4)
Classe V en option

Applications : Noise reduction

Liquide : Cavitation less, flashing, noise reduction



2 STAGES PERFORATED CONE



3 STAGES PERFORATED CONE

Packing

Pure graphite

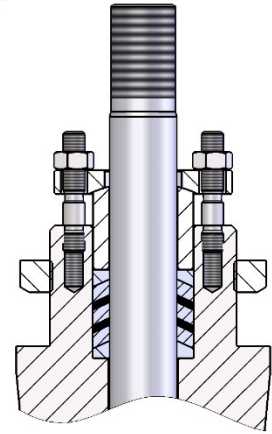
Max temperature : 455°C,

Steam max temperature: 550°C,

Max pressure : See pressure/temperature charts

Application : Water, steam, etc...

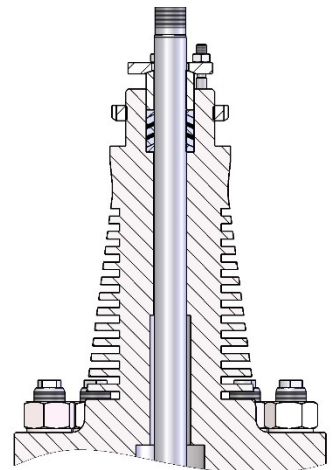
Limitation of the fugitive emissions : Approval with the tests : TA Luft



PURE GRAPHITE PACKING

Packing cooling system

The valve cover is designed especially to ensure the packing cooling when the valve works with hot fluids.

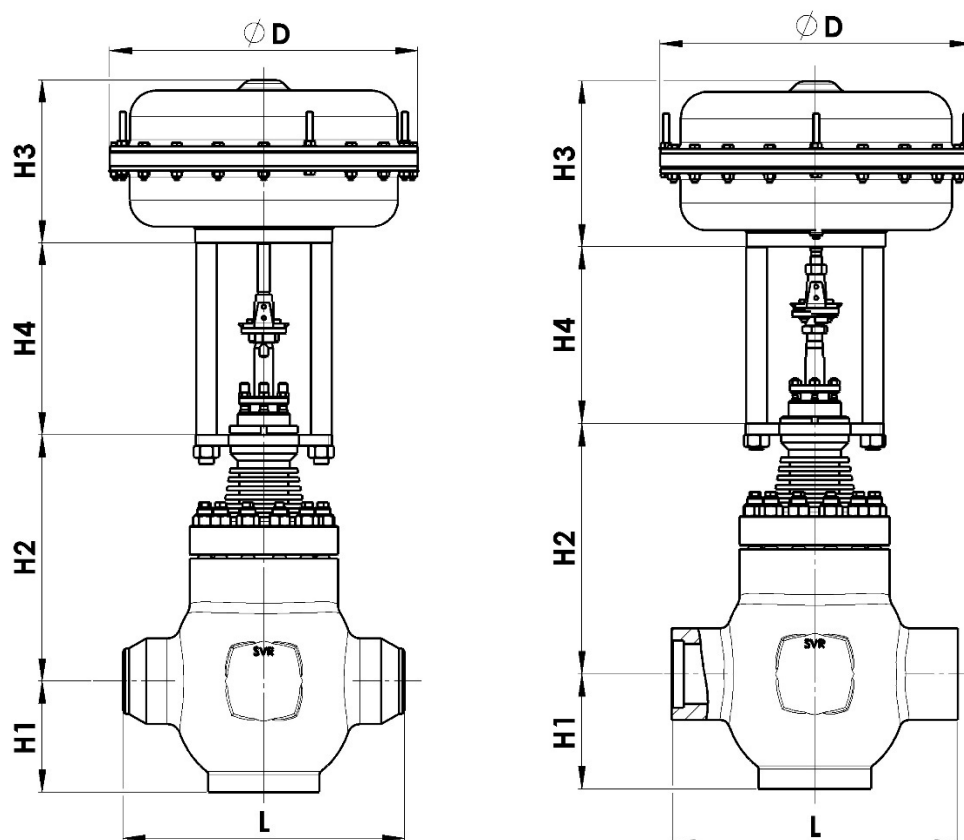


COOLING SYSTEM

Temperature Limits

Temperature (°C)	-60	-25	-10	20	100	250	300	400	560
Graphite Packing									
Insulation									
Balanced valve (gasket)									
Balanced valve (ring)									
Steel body									
Stainless steel body									

Welded Version Dimensions



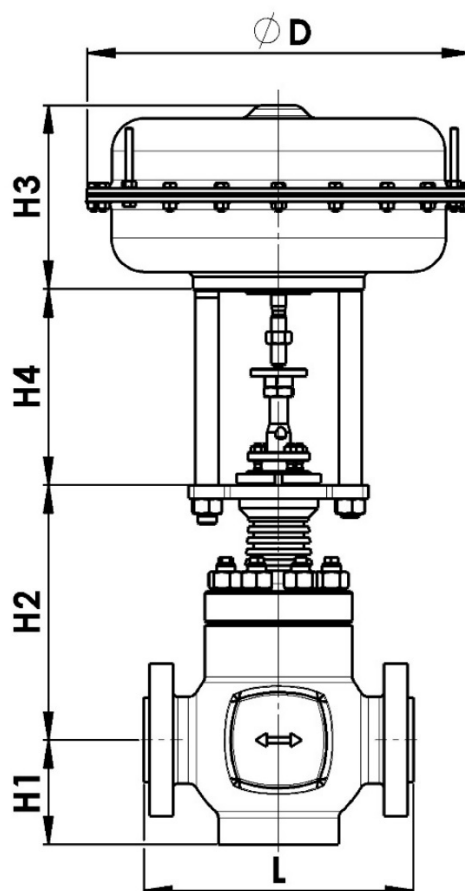
DN	25	40	50	80	100	150	200	250	300
L	270	300	305	381	520	650	650	775	900
H1	48	113	113	153	178	228	315	440	620
H2	204	276	276	339	379	505	592	600	622
H4 (max)	210	238	238	235	288	367	367	400	400
Dimensions extrémités BW BW ends dimensions	Schedule 40/80/160 according to B16.25								
Dimensions extrémités SW SW ends dimensions	Suivant B16.11 According to B16.11					/	/	/	/
Mass (kg)	30	45	45	83	140	300	500	/	/

All dimensions in mm

	MA41-B6	MA41-C6	MA60-G6
ØD	420	420	600
H3	242	354	383
Mass (kg)	55	72	130

All dimensions in mm

Flanges Version Dimensions



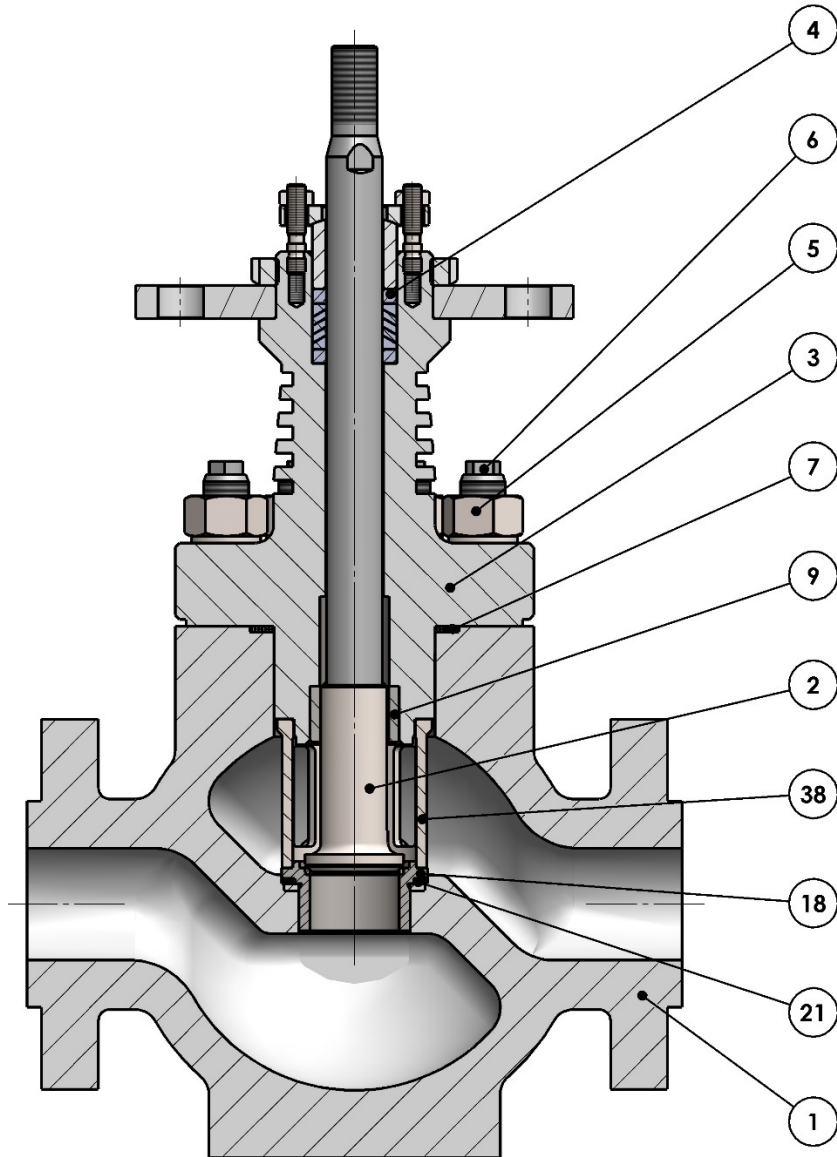
DN	25	50	80	100	150	200	250	300
L (PN63/100 FS)	230	300	380	430	550	650	775	900
L (PN160 FS)	230	300	380	430	550	650	/	/
L (PN250 FS)	260	350	450	520	914	/	/	/
L (Class 600 RF)	216	292	356	432	559	660	787	838
L (Class 900 RF)	254	368	381	457	610	737	838	/
L (Class 1500 RF)	254	368	470	546	705	832	991	/
H1	48	113	153	178	228	315	440	620
H2	204	276	339	379	505	592	600	622
H4 (max)	210	238	235	288	367	367	400	400
Mass (kg)	30	45	83	140	300	500	/	/

All dimensions in mm

	MA41-B6	MA41-C6	MA60-G6
ØD	420	420	600
H3	242	354	383
Mass (kg)	55	72	130

All dimensions in mm

Part List



Item	Description	Material
1	Body	Steel - Stainless steel
2	Cone	Stainless steel
3	Cover	Steel - Stainless steel
4*	Stuffing box	Stainless steel
5	Nut	Steel - Stainless steel
6	Stud	Steel - Stainless steel
7*	Gasket	Graphite steel
9	Guiding bush	1.4542
18	Seat	Stainless steel
21*	Gasket	Graphite steel
38	Diffuser	Stainless steel

* Spare parts