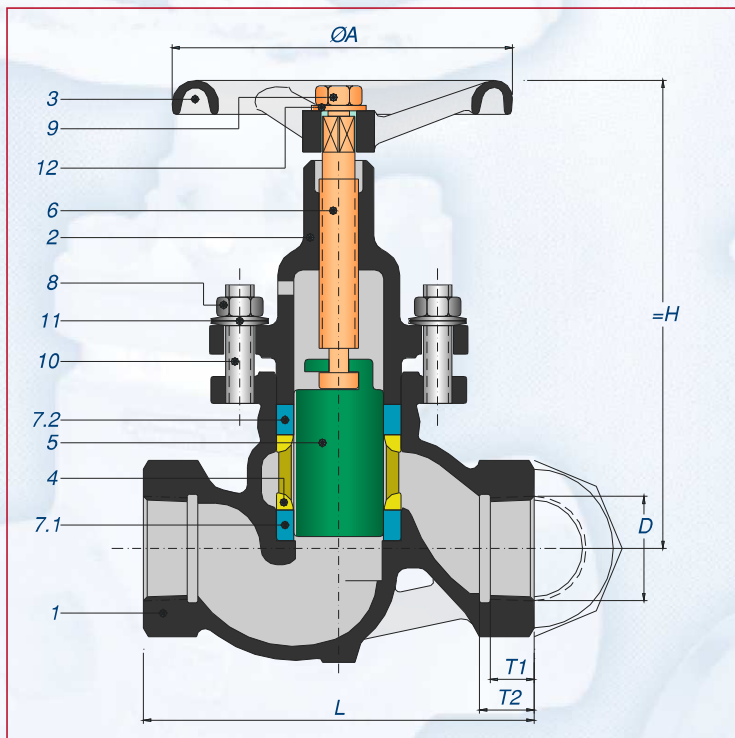


PISTON VALVES



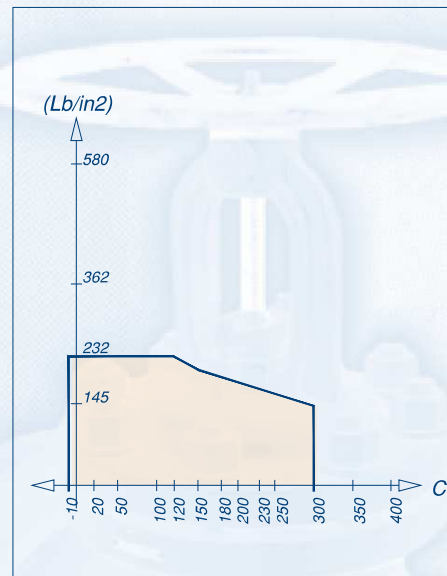
**Piston valve with female
screwed ends NPT ANSI B1.20.1**
Material: Cast iron A126 Class B
Sealing element : K-Graf module

1000 SERIES

Model 1100

1/4" to 2"

232 Psi



	PART NAME	MATERIAL
1	Body	ASTM A126 Class B
2	Bonnet	ASTM A126 Class B
3	Handwheel	ASTM A126 Class B
4	Lantern bush	ASTM A126 Class B
5	Piston	AISI 304
6	Spindle	Steel
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	bonnet nut	ASTM 194 Grade 2H
9	Handwheel nut	ASTM 194 Grade 2H
10	Bolts	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	Carbon steel

CONEXIÓN:
NPT ANSI B 1.20.1

HIDROSTATIC TEST::
ANSI B 16.37

INSPECTION AND TESTING:
API 598

TEMPERATURE:
-10° C a 300° C (steam)

PRESSURE (máx)
232 Psi

ORDERING EXAMPLE:
KDM-1100-1/2"-ANSI

Piston valves in all size may be
provided with pneumatic actuators.

DN	A	L	STROKE	H	WEIGHT (Kgs.)	Connection NPT	T1	T2
1/4"	3.90	3.30	1.00	5.00	1.520	1/4" - 18 NPT	0.51	0.62
3/8"	3.90	3.30	1.00	5.00	1.500	3/8" - 18 NPT	0.51	0.62
1/2"	3.90	3.90	1.00	5.00	1.600	1/2" - 14 NPT	0.53	0.76
3/4"	4.70	4.70	1.20	5.80	2.500	3/4" - 14 NPT	0.55	0.78
1"	5.50	5.30	1.40	6.80	3.510	1" - 11 1/2 NPT	0.66	0.94
1 1/4"	6.30	6.30	1.60	7.70	5.900	1 1/4" - 11 1/2 NPT	0.68	0.96
1 1/2"	7.10	7.30	1.90	8.90	8.200	1 1/2" - 11 1/2 NPT	0.68	0.96
2"	7.50	8.60	2.20	9.80	12.800	2" - 11 1/2 NPT	0.70	0.98

** Overall dimension in Inches **

In the interest of technical progress, designs and dimensions are subject to modification.



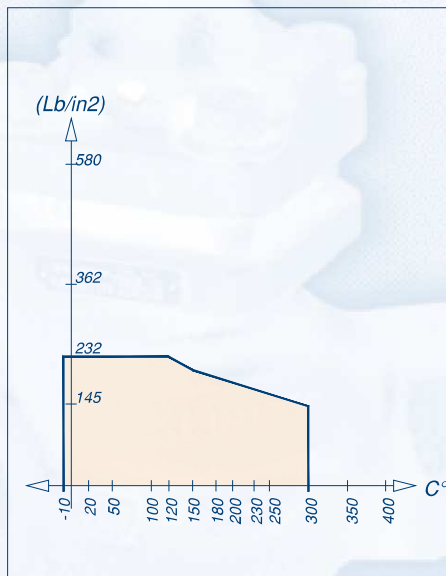
1000 SERIES

Model 1200

1/2" to 2"

232 Psi

Piston valve with flanges
ANSI class 150 R.F.
Material: Cast iron A126 Class B
Sealing element : K-Graf module



DRILLING:

ANSI B16.5 Class 150 R.F.

OVERALL LENGTH:

DIN EN 558-1

HIDROSTATIC TEST:

ANSI B 16.37

INSPECCIÓN AND TESTING:

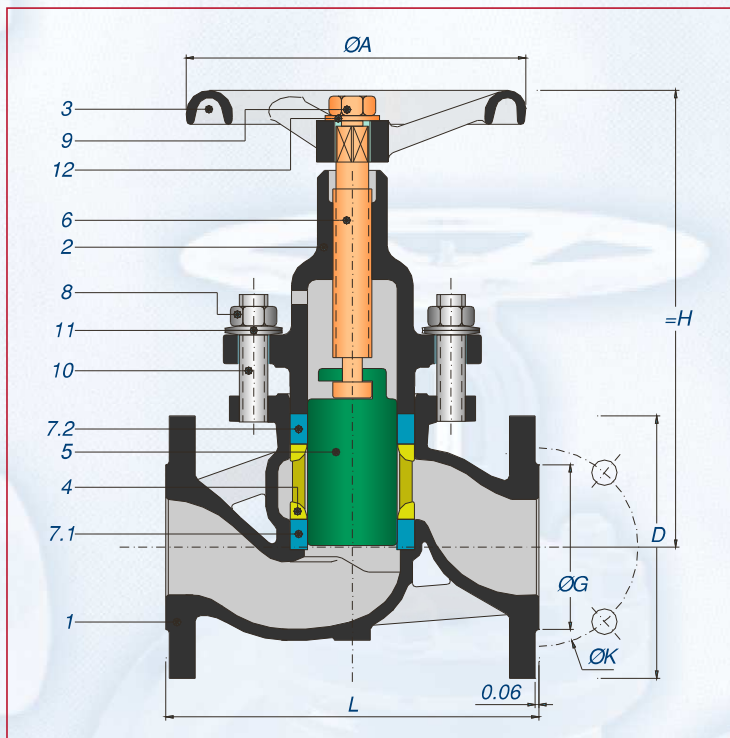
API 598.

TEMPERATURE:

-10° C a 300° C (Steam)

PRESSURE (máx)

232 Psi



	PART NAME	MATERIAL.
1	Body	ASTM A126 class B
2	Bonnet	ASTM A126 class B
3	Handwheel	ASTM A126 class B
4	Lantern bush	ASTM A126 class B
5	Piston	AISI 304
6	Spindle	Steel
7.1	Lower valve ring	K- Graf
7.2	Upper valve ring	K- Graf
8	Bonnet nut	ASTM A194 Grade 2H
9	Handwheel nut	ASTM A194 Grade 2H
10	Bolts	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	Carbon steel

ORDERING EXAMPLE:
 KDM-1200-1/2"-ANSI

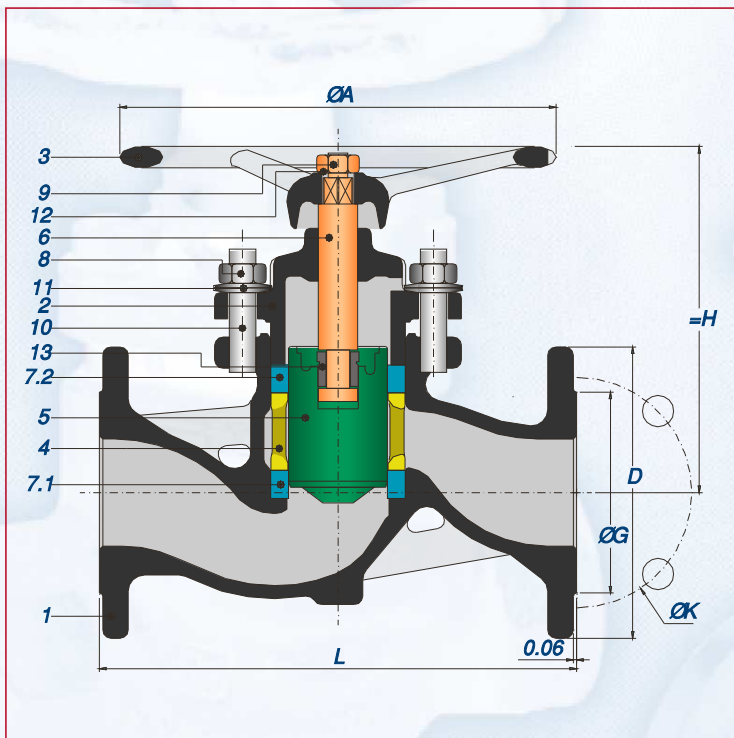
Piston valves in all size may be
 provided with pneumatic actuators.

DN	A	L	STROKE	H	WEIGHT (Kgs.)
1/2"	3.90	5.10	1.00	5.00	2.900
3/4"	4.70	5.90	1.20	5.80	4.200
1"	5.50	6.30	1.40	6.80	5.400
1 1/4"	6.30	7.10	1.60	7.70	9.300
1 1/2"	7.10	7.90	1.90	8.90	12.100
2"	7.50	9.00	2.20	9.80	16.600

** Overall dimensions in inches **

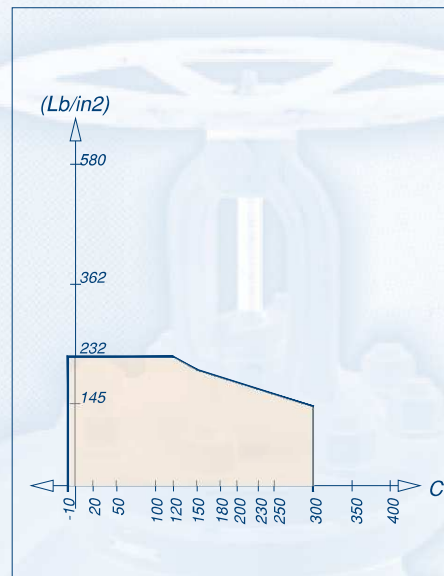
In the interest of technical progress, designs and dimensions are subject to modification.

PISTON VALVES



Piston valve with flanges
ANSI class 150 R.F.
Material: Cast iron A126 Class B
Sealing element : K-Graf module

1000 SERIE
Model 1200
2½" to 6"
232 Psi



	PART NAME	MATERIAL
1	Body	ASTM A126 class B
2	Bonnet	ASTM A126 class B
3	Handwheel	ASTM A126 class B
4	Lantern bush	ASTM A126 class B
5	Piston	AISI 304
6	Spindle	Steel
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	k-Graf
8	Bonnet nut	ASTM A194 Grade 2H
9	Handwheel nut	ASTM A194 Grade 2H
10	Bolt	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	Carbon steel
13	Split nut	Steel

DRILLING
 ANSI B16.5 Class 150 R.F.

OVERALL LENGTH.
 DIN EN 558-1

HIDROSTATIC TEST:
 ANSI B 16.37

INSPECCIÓN AND TESTING:
 API 598.

TEMPERATURE
 -10° C a 300° C (Steam)

PRESSURE (máx)
 232 Psi

ORDERING EXAMPLE:
 KDM-1200- 2 1/2"-ANSI

Piston valves in all size may be
 provided with pneumatic actuators.

DN	A	L	STROKE	H	WEIGHT (Kgs.)
2 1/2"	10.40	11.40	2.00	7.80	20.400
3"	10.40	12.60	2.30	8.70	27.700
4"	11.80	13.80	2.90	10.40	41.300
6"	15.70	17.70	3.80	13.30	83.000

** Overall dimensions in inches **

In the interest of technical progress, designs and dimensions are subject to modification.



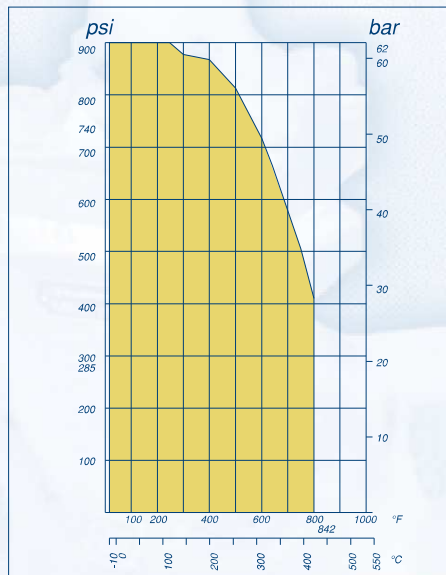
2000 SERIES

Model 2100

1/2" to 2"

900 Psi CWP

Piston valve
with female screwed ends
NPT / ANSI B1.20.1, Class 150
Material: Cast steel A-216, Class WCB
Sealing element : K-Graf module



Pressure and temperature limits (A 216-WCB)

Mod. 2100
900 CWP

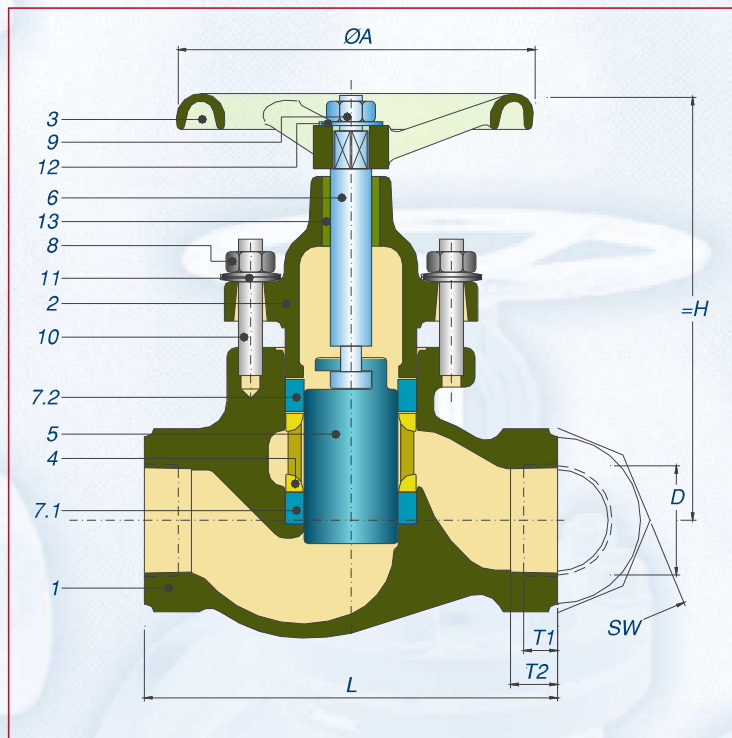
CONNECTION:
NPT ANSI B1.20.1

HIDROSTATIC TEST:
ANSI B 16.37

INSPECTION AND TESTING:
API 598

TEMPERATURE (máx)
427° C (WCB)

PRESSURE (máx)
900 Psi CWP



	PART NAME	MATERIAL
1	Body	ASTM A216 Grade WCB
2	Bonnet	ASTM A216 Grade WCB
3	Handwheel	ASTM A126 Class B
4	Lantern bush	ASTM A126 Class B
5	Piston	AISI 304
6	Spindle	ASTM A416
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 2H
9	Handwheel nut	ASTM 194 Grade 2H
10	Stud bolt	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	Carbon steel
13	Threaded bush	ASTM A48 Class 40

Ordering example:
KDM-2100-1/2"-ANSI

Piston valves in all size may be
provided with pneumatic actuators.

Connection NPT (D)	T1	T2
1/2" - 14 NPT	0.53	0.76
3/4" - 14 NPT	0.55	0.78
1" - 11 1/2 NPT	0.66	0.94
1 1/2" - 11 1/2 NPT	0.68	0.96
2" - 11 1/2 NPT	0.70	0.98

DN	A	L	STROKE	H	SW	WEIGHT (Kgs.)
1/2"	3.90	3.93	1.00	4.20	1.40	1.900
3/4"	4.70	4.70	1.20	4.80	1.60	2.700
1"	5.50	5.30	1.40	5.60	1.96	4.200
1 1/2"	7.10	7.30	1.90	7.60	2.95	9.600
2"	7.50	8.66	2.20	8.60	3.55	13.600

** Overall dimensions in inches**

In the interest of technical progress, designs and dimensions are subject to modification.

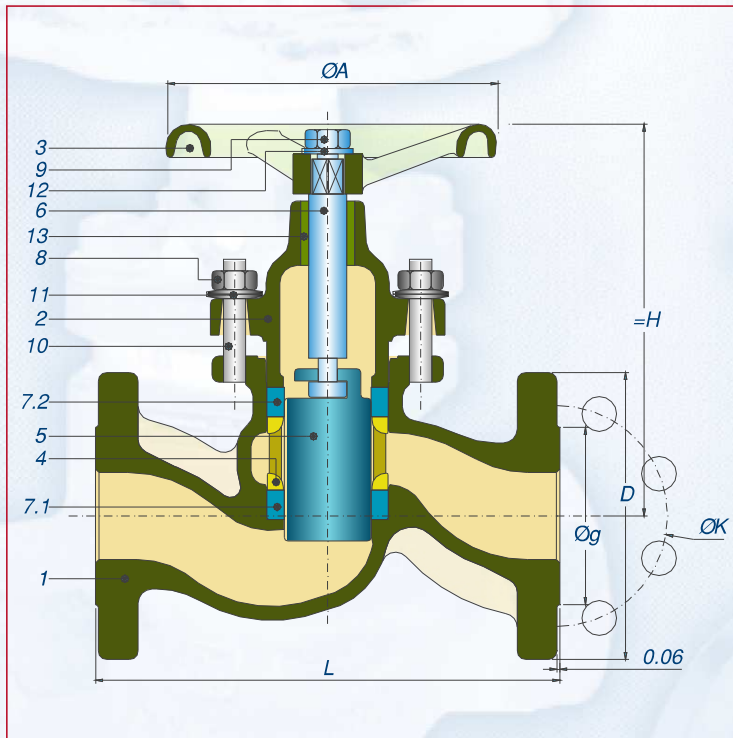
PISTON VALVES

2000 SERIE

Model 2200/2400

1/2" to 2"

570Psi



Piston valve with flanges

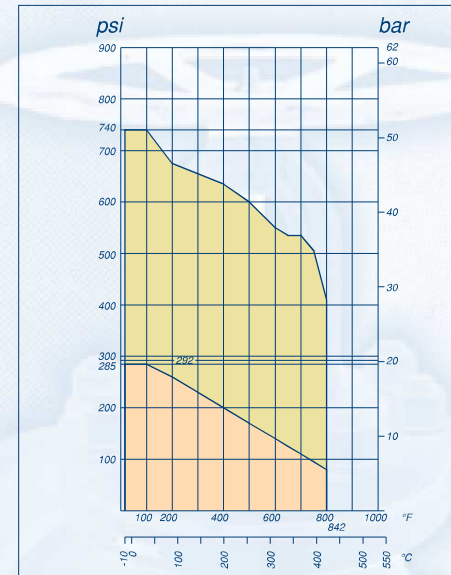
Flanges to ANSI B16.5

Class 150 model 2200

Class 300 model 2400

Material: Cast steel A216 Class WCB

Sealing element : K-Graf module



Pressure and temperature limits (A 216-WCB)

Mod. 2200 ANSI 150 Mod. 2400 ANSI 300

DRILLING:

ANSI B16.5 Class 150 R.F.

ANSI B16.5 Class 300 R.F.

OVERALL DIMENSIONS

DIN EN 558-1

HIDROSTATIC TEST:

ANSI B 16.37

INSPECTION AND TESTING

API 598

FIRE TEST:

API 6FA

TEMPERATURE (máx)

427°C

PRESSURE (máx)

570 Psi

PART NAME	MATERIAL
1 Body	ASTM A216 Grade WCB
2 Bonnet	ASTM A216 Grade WCB
3 Handwheel	ASTM A126 Class B
4 Lantern bush	ASTM A126 Class B
5 Piston	AISI 304
6 Spindle	ASTM A416
7.1 Lower valve ring	K-Graf
7.2 Upper valve ring	K-Graf
8 Bonnet nut	ASTM 194 Grade 2H
9 Handwheel nut	ASTM 194 Grade 2H
10 Stud bolt	ASTM A193 Grade B7
11 Belleville washer	AISI 1075
12 Lock washer	AISI 304
13 Threaded bush *	ASTM A48 Class 40

Ordering example:

KDM-2200-1/2"-ANSI

* only size 1 1/2", 2"

Piston valves in all size may be provided with pneumatic actuators.

DN	A	L		STROKE	H	WEIGHT (Kgs.)	
		150	300			150	300
1/2"	3.90	4.20	6.00	1.00	4.20	2.300	3.100
3/4"	4.70	4.60	7.00	1.20	4.80	3.500	5.100
1"	5.50	5.00	8.00	1.40	5.60	4.900	6.650
1 1/2"	7.10	6.50	9.00	1.90	7.60	10.500	13.600
2"	7.50	8.00	10.50	2.20	8.60	15.600	19.300

** Overall dimensions in inches**

In the interest of technical progress, designs and dimensions are subject to modification.

DN	ØK		150		300	
	150	300	#	Ø	#	Ø
1/2"	2.38	2.62	4	5/8"	4	5/8"
3/4"	2.75	3.25	4	5/8"	4	3/4"
1"	3.12	3.50	4	5/8"	4	3/4"
1 1/2"	3.88	4.50	4	5/8"	4	7/8"
2"	4.75	5.00	4	3/4"	8	3/4"



2000 SERIE

Model 2200/2400
2 1/2" to 6"

570Psi

Piston valve with flanges
Flanges to ANSI B16.5
Class 150 model 2200
Class 300 model 2400
Material: Cast steel A216 Class WCB
Sealing element : K-Graf module



Pressure and temperature limits (A 216-WCB)

Mod. 2200
ANSI 150
 Mod. 2400
ANSI 300

DRILLING:

ANSI B16.5 Class 150 R.F.
ANSI B16.5 Class 300 R.F.

OVERALL DIMENSIONS

DIN EN 558-1

HIDROSTATIC TEST:

ANSI B 16.37

INSPECTION AND TESTING

API 598

FIRE TEST:

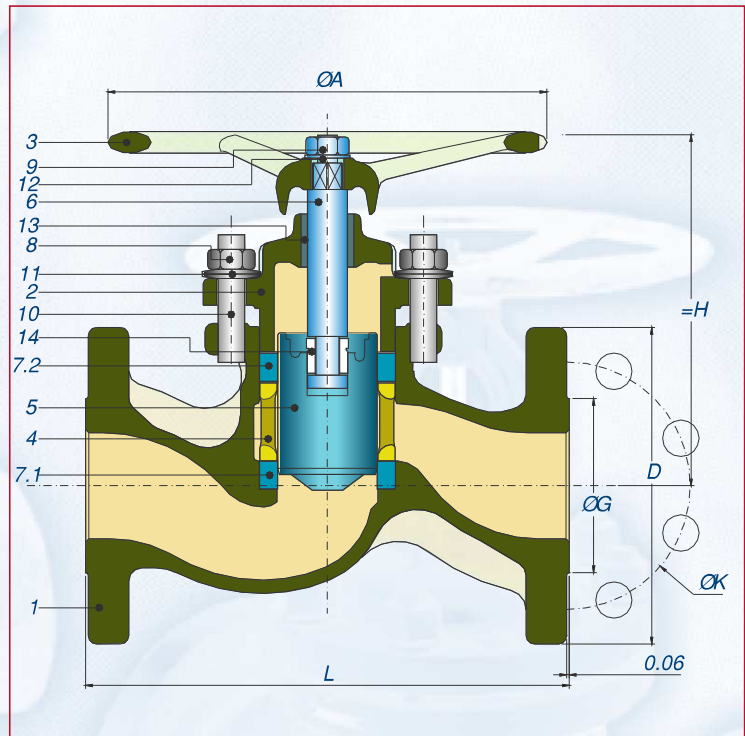
API 6FA

TEMPERATURE (máx)

427°C

PRESSURE (máx)

570 Psi



PART NAME		MATERIAL
1	Body	ASTM A216 Grade WCB
2	Bonnet	ASTM A216 Grade WCB
3	Handwheel	ASTM A126 Class B
4	Lantern bush	ASTM A126 Class B
5	Piston	AISI 304
6	Spindle	ASTM A416
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 2H
9	Handwheel nut	ASTM 194 Grade 2H
10	Stud bolt	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	AISI 304
13	Threaded bush *	ASTM A48 Class 40
14	Split nut	AISI 1213

Ordering example:
KDM-2200-1/2"-ANSI
* only size 1 1/2" , 2"

Piston valves in all size may be
provided with pneumatic actuators.

DN	ØK		150		300	
	150	300	#	Ø	#	Ø
2 1/2"	5.50	5.88	4	3/4"	8	7/8"
3"	6.00	6.62	4	3/4"	8	7/8"
4"	7.50	7.88	8	3/4"	8	7/8"
6"	9.50	10.62	8	7/8"	12	7/8"

DN	A	L		STROKE	H	WEIGHT (Kgs.)	
		150	300			150	300
2 1/2"	10.40	8.50	11.50	1.90	12.40	25.100	30.700
3"	10.40	9.50	12.50	2.20	13.20	35.000	38.900
4"	11.80	11.50	14.00	2.50	15.30	53.000	60.500
6"	15.70	16.00	17.50	3.60	19.60	102.600	117.500

** Overall dimensions in inches**

In the interest of technical progress, designs and dimensions are subject to modification.

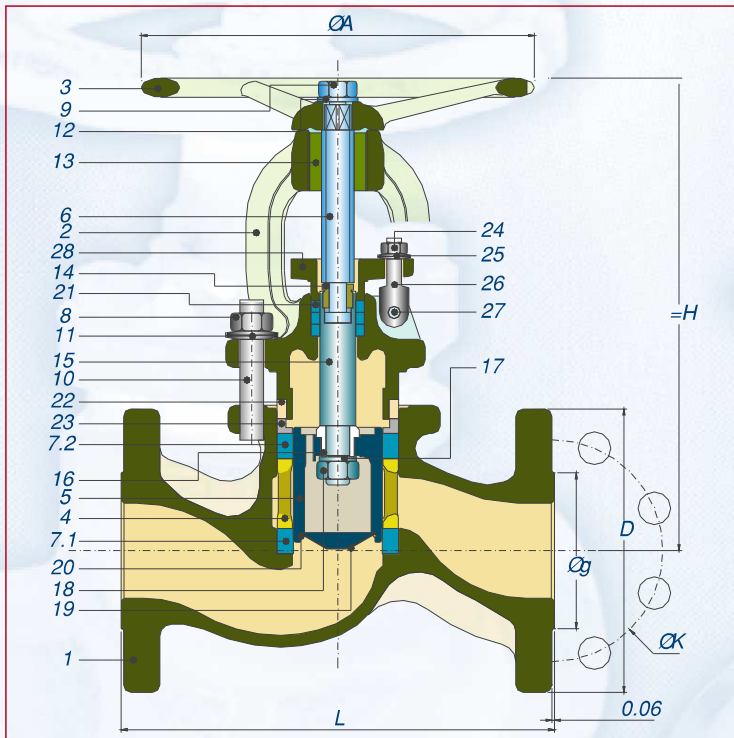
PISTON VALVES

2000 SERIES

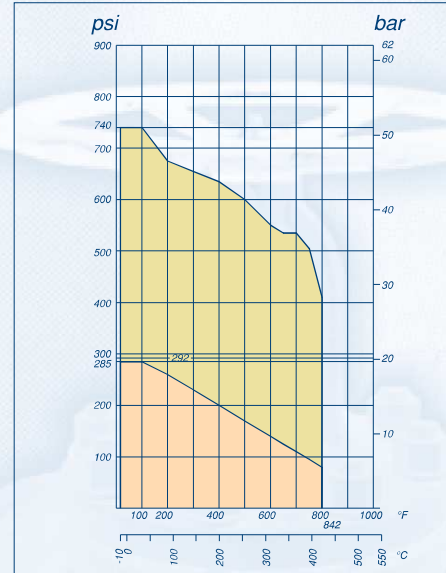
Model 2300/2500

2 1/2" to 8"

570 Psi



Piston valve with flanges
Flanges to ANSI B16.5
Class 150, Model 2300
Class 300, Model 2500
Material: Cast steel A-216 Class WCB
Sealing element : K-Graf module



Pressure and temperature limits (A 216-WCB)

Mod. 2300 ANSI 150 Mod. 2500 ANSI 300

DRILLING:

ANSI B16.5 Class 150 R.F.
 ANSI B16.5 Class 300 R.F.

OVERALL DIMENSIONS

ASME B16.10

HIDROSTATIC TEST:

ANSI B 16.37

INSPECTION AND TESTING

API 598

FIRE TEST:

API 6FA

TEMPERATURE (máx)

400°C

PRESSURE (máx)

570 Psi

Ordering example:

KDM 2300 to 2 1/2"

Piston valves in all sizes may be provided with pneumatic actuators.

	PART NAME	MATERIAL
1	Body	ASTM A216 Grade WCB
2	Bonnet	ASTM A216 Grade WCB
3	Handwheel	ASTM A126 Class B
4	Lantern bush	ASTM A126 Class B
5	Piston	AISI 304
6	Spindle	ASTM A416
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 2H
9	Handwheel nut	ASTM 194 Grade 2H
10	Stud bolt	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	Stainless steel
13	Threaded bush	ASTM A48 Class 40
14	Split nut	AISI 1213
15	Piston shaft	ASTM A416
16	Back seat	ASTM A416
17	Disc	ASTM A416
18	Hexagon nut notched	ASTM A416
19	Piston nose cone	AISI 316
20	Securing ring	ASTM A416
21	Stuffing-box ring	K-Graf
22	OT valve ring	K-Graf
23	Thrust piece	ASTM A416
24	Hexagon nut	ASTM A194 Grade 2H
25	Belleville washer	AISI 1075
26	Swing bolt	ASTM A193 Grade B7
27	Notched parallel pin	ASTM A193 Grade B7
28	Gland retainer	ASTM A216 Grade WCB

** Overall dimensions in inches **

DN	A	150 L	300 L	STROKE	H	WEIGHT (Kgs)
						150 300
2 1/2"	10.40	8.50	11.50	1.90	12.40	25.100 26.900
3"	10.40	9.50	12.50	2.20	13.20	35.000 37.200
4"	11.80	11.50	14.00	2.50	15.30	53.000 54.500
6"	15.70	16.00	17.50	3.60	19.60	102.600 103.700
8"	15.70	19.50	22.00	4.65	22.75	210.000 230.500

DN	ØK	150 #	300 #	Ø	Ø
2 1/2"	5.50	5.88	4	3/4"	8 7/8"
3"	6.00	6.62	4	3/4"	8 7/8"
4"	7.50	7.88	8	3/4"	8 7/8"
6"	9.50	10.62	8	7/8"	12 7/8"
8"	11.75	13.00	8	7/8"	12 1"

In the interest of technical progress, designs and dimensions are subject to modification.



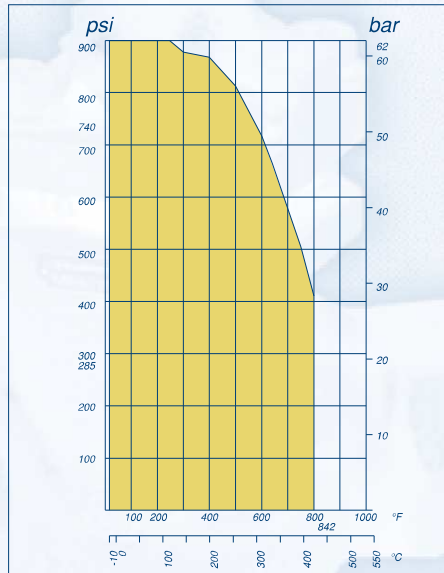
2000 SERIES

MODEL 2600

1/2" to 2"

900 Psi CWP

**Piston valve weld end
socket weld to ANSI B16.11**
Material: Cast steel A-216 Class WCB
Class 150 Model 2600
Sealing element :K-Graf module



Pressure and temperature limits (A 216-WCB)

Mod. 2600
900 CWP

CONNECTION:

Socket weld ANSI B16.11

HIDROSTATIC TEST:

ANSI B 16.37

INSPECTION AND TESTING:

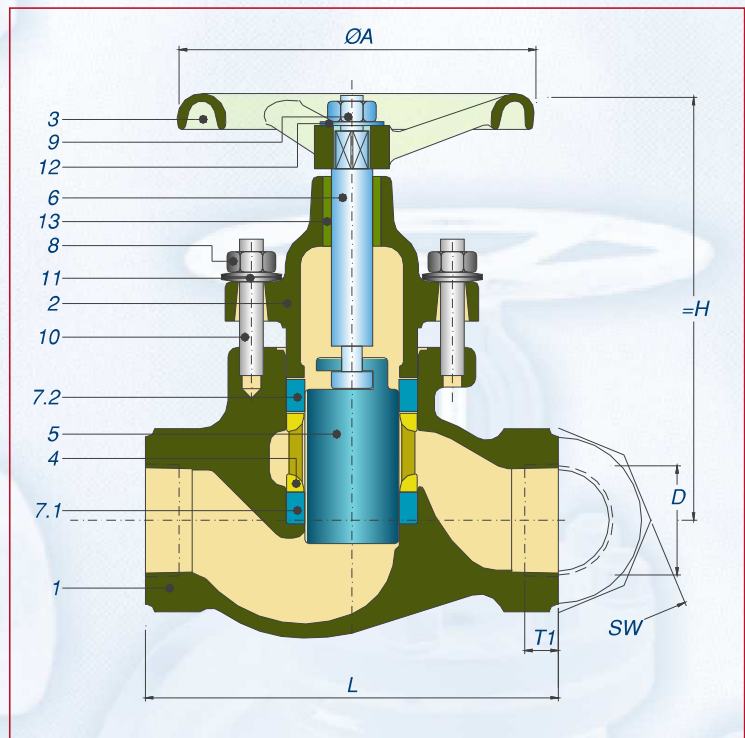
API 598

TEMPERATURE (máx)

427° C (WCB)

PRESSURE (máx)

900 Psi CWP



PART NAME		MATERIAL
1	Body	ASTM A216 Grade WCB
2	Bonnet	ASTM A216 Grade WCB
3	Handwheel	ASTM A126 Class B
4	Lantern bush	ASTM A126 Class B
5	Piston	AISI 304
6	Spindle	ASTM A416
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 2H
9	Handwheel nut	ASTM 194 Grade 2H
10	Stud bolt	ASTM A193 Grade B7
11	Belleville washer	AISI 1075
12	Lock washer	Carbon steel
13	Threaded bush	ASTM A48 Class 40

Ordering example:
KDM-2600-1/2"

Piston valves in all size may be
provided with pneumatic actuators.

DN	Connection /socket weld (D)	T1
1/2"	0.85	0.53
3/4"	1.06	0.55
1"	1.33	0.66
1 1/2"	1.92	0.68
2"	2.40	0.70

DN	A	L	STROKE	H	SW	WEIGHT (Kgs.)
1/2"	3.90	4.00	1.00	4.20	1.40	1.700
3/4"	4.70	4.75	1.20	4.80	1.60	2.500
1"	5.50	5.30	1.40	5.60	1.96	4.100
1 1/2"	7.10	7.25	1.90	7.60	2.95	9.500
2"	7.50	8.62	2.20	8.60	3.55	13.500

** Overall dimensions in inches **

In the interest of technical progress, designs and dimensions are subject to modification.

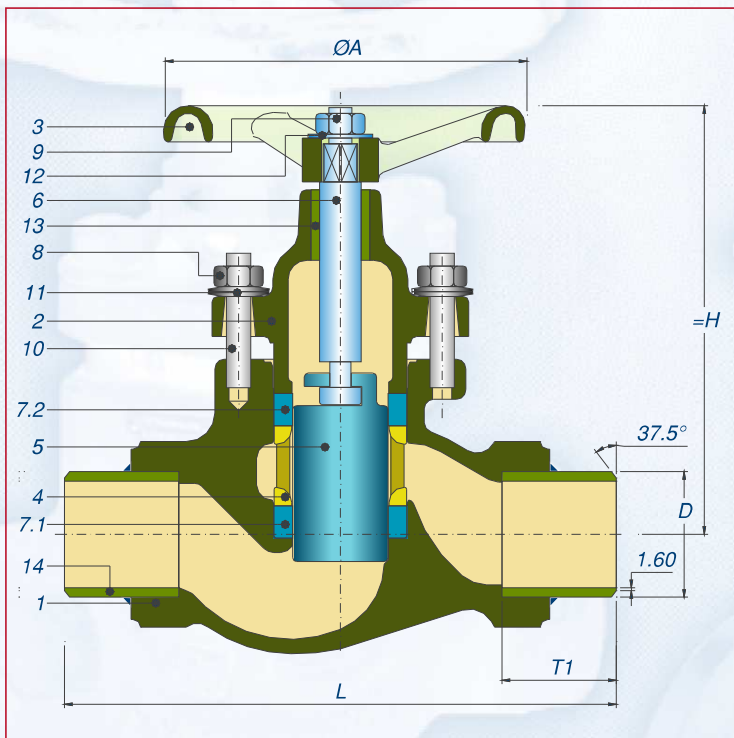
PISTON VALVES

2000 SERIES

Model 2700

1/2" to 2"

900 Psi CWP

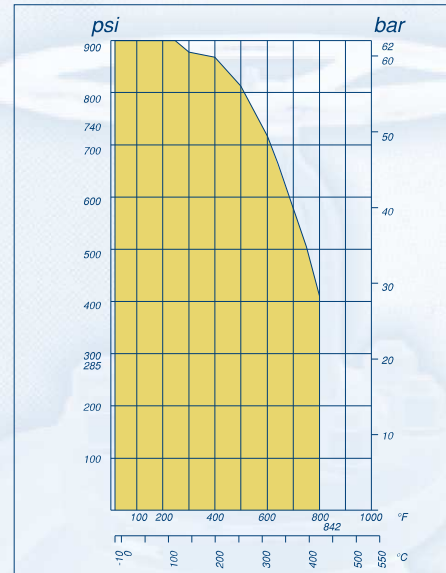


Piston valve weld

Connetión butt weld to ANSI B16.25

Material: Cast steel A-216 Class WCB

Sealing element : K-Graf module



Pressure and temperature limits (A 216-WCB)

CONNECTION:

Butt weld ANSI B16.25

ALL DIMENSIONS

ANSI B16.10 Clase 300

HIDROSTATIC TEST

ANSI B 16.37

INSPECTION AND TESTING:

API 598

FIRE TEST:

API 6FA

TEMPERATURE (máx)

427° C (WCB)

PRESSURE (máx)

900 Psi CWP

	PART NAME	MATERIAL
1	Body	ASTM A216 Gr WCB
2	Bonnet	ASTM A216 Gr WCB
3	Handwheel	ASTM A126 Class B
4	Lantern bush	ASTM A126 Class B
5	Piston	AISI 304
6	Spindle	ASTM A416
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Gr 2H
9	Handwheel nut	ASTM 194 Gr 2H
10	Stud bolt	ASTM A193 GR B7
11	Belleville washer	AISI 1075
12	Lock washer	Carbon steel
13	Threaded bush	ASTM A48 Class 40
14	Tube	Cast steel

Ordering example:
KDM-2700-1/2"

Piston valves in all size may be
provided with pneumatic actuators.

DN	A	L	STROKE	H	WEIGHT (Kgs.)
1/2"	3.90	6.00	1.00	4.20	2.000
3/4"	4.70	7.00	1.20	4.80	2.800
1"	5.50	8.00	1.40	5.60	4.500
1 1/2"	7.10	9.00	1.90	7.60	9.800
2"	7.50	10.50	2.20	8.60	13.800

DN	Connetión butt weld (D)	T1
1/2"	0.83	1.41
3/4"	1.05	1.65
1"	1.33	1.85
1 1/2"	1.74	1.37
2"	2.37	1.55

** Overall dimensions in inches **

In the interest of technical progress, designs and dimensions are subject to modification.

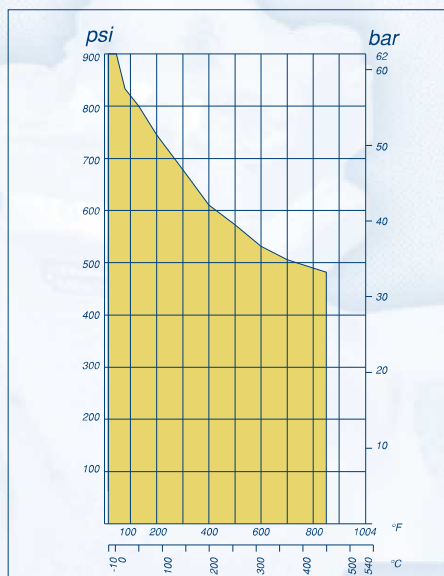


3000 SERIES

Model 3100
1/2" to 2"

900 Psi CWP

**Piston valve
with female screwed ends**
Material: Stainless steel A351-CF8M
Sealing element: K-Graf module



Pressure and temperature limits (A 351 CF8M)

Mod. 3100
900 CWP

CONNETIÓN:
NPT ANSI B1.20.1

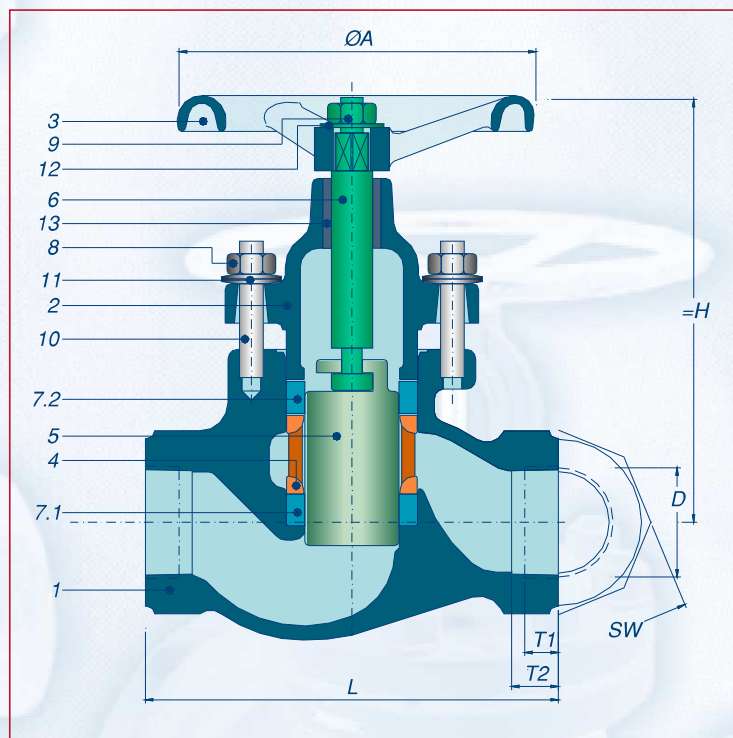
HIDROSTATIC TEST:
ANSI B 16.37

INSPECCIÓN AND TESTING:
API 598

FIRE TEST:
API 6FA

TEMPERATURE (máx)
454° C (CF8M)

PRESSURE (máx)
900 Psi CWP



PART NAME		MATERIAL
1	Body	ASTM A351 Grade CF8M
2	Bonnet	ASTM A351 Grade CF8M
3	Handwheel	ASTM A351 Grade CF8M
4	Lantern bush	ASTM A351 Grade CF8M
5	Piston	AISI 316
6	Spindle	AISI 316
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 6F
9	Handwheel nut	ASTM 194 Grade 6F
10	Stud bolt	ASTM A193 Grade B8
11	Belleville washer	AISI 316
12	Lock washer	Stainless steel
13	Threaded bush	AISI 304

Ordering example:
KDM-3100-1/2"

Piston valves in all size may be
provided with pneumatic actuators.

Connetción NPT (D)	T1	T2
1/2" - 14 NPT	0.53	0.76
3/4" - 14 NPT	0.55	0.78
1" - 11 1/2 NPT	0.66	0.94
1 1/2" - 11 1/2 NPT	0.68	0.96
2" - 11 1/2 NPT	0.70	0.98

DN	A	L	STROKE	H	SW	WEIGHT (Kgs.)
1/2"	3.90	3.93	1.00	4.20	1.40	1.80
3/4"	4.70	4.70	1.20	4.80	1.60	2.90
1"	5.50	5.30	1.40	5.60	1.96	4.00
1 1/2"	7.10	7.30	1.90	7.60	2.95	9.80
2"	7.50	8.66	2.20	8.60	3.55	15.80

** Overall dimensions in inches **

In the interest of technical progress, designs and dimensions are subject to modification.

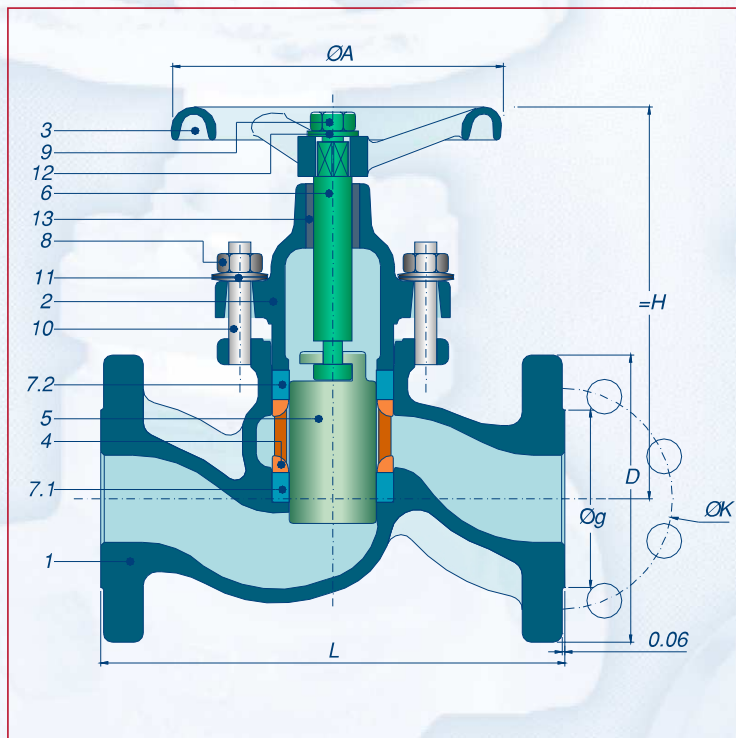
PISTON VALVES

3000 SERIES

Model 3200/3400

1/2" to 2"

720 Psi



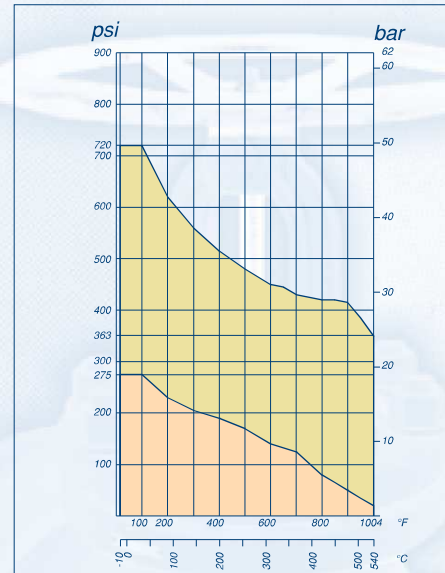
Piston valves with flanges
flanges to ANSI B16.5

Class 150 model 3200

Class 300 model 3400

Material: Stainless steel- A351- CF8M

Sealing element : K-Graf module



Pressure and temperature limits (A 351 CF8M)

Mod. 3200 ANSI 150 Mod. 3400 ANSI 300

DRILLING:

ANSI B 16.5 Clase 150 R.F.

ANSI B 16.5 Clase 300 R.F.

OVERALL DIMENSIONS:

DIN EN 558-1

HIDROSTÁTIC TEST:

ANSI B 16.37

INSPECCIÓN AND TESTING:

API 598

FIRE TEST:

API 6FA

TEMPERATURE (máx)

538° C

PRESSURE (máx)

720 Psi

PART NAME		MATERIAL
1	Body	ASTM A351 Grade CF8M
2	Bonnet	ASTM A351 Grade CF8M
3	Handwheel	ASTM A351 Grade CF8M
4	Lantern	ASTM A351 Grade CF8M
5	Piston	AISI 316
6	Spindle	ASTM A316
7.1	Lower valve ring	K- Graf
7.2	Upper valve ring	K- Graf
8	Bonnet nut	ASTM 194 Grade 6F
9	Handwheel nut	ASTM 194 Grade 6F
10	Stud bolt	ASTM A193 Grade B8
11	Belleville washer	AISI 1075
12	Lock washer	Stainless steel
13	Threaded bush *	AISI 304

Ordering example:

KDM 3200-1/2"

* size only 1 1/2" , 2"

Piston valves in all sizes may be
provided with pneumatic actuators.

DN	A	L		STROKE	H	WEIGHT (Kgs.)	
		150	300			150	300
1/2"	3.90	4.20	6.00	1.00	4.20	2.50	3.50
3/4"	4.70	4.60	7.00	1.20	4.80	3.50	5.00
1"	5.50	5.00	8.00	1.40	5.60	5.00	7.00
1 1/2"	7.10	6.50	9.00	1.90	7.60	10.60	13.80
2"	7.50	8.00	10.50	2.20	8.60	16.50	20.20

DN	ØK		150	300	#	Ø	#	Ø
	150	300						
1/2"	2.38	2.62	4	5/8"	4	5/8"	4	5/8"
3/4"	2.75	3.25	4	5/8"	4	5/8"	4	3/4"
1"	3.12	3.50	4	5/8"	4	5/8"	4	3/4"
1 1/2"	3.88	4.50	4	5/8"	4	5/8"	4	7/8"
2"	4.75	5.00	4	3/4"	8	3/4"	8	3/4"

** Overall dimensions in inches **

In the interest of technical progress, designs and dimensions are subject to modification.



3000 SERIES

Model 3300/3500

1/2" to 2"

720 Psi

Piston valves with flanges
Flanges to ANSI B16.5
Class 150 model 3300
Class 300 model 3500
Material: Stainless steel A 351-CF8M
Sealing element: K-Graf Module



Pressure and temperature limits (A 351 CF8M)

Mod. 3200 ANSI 150 Mod. 3400 ANSI 300

DRILLING:

ANSI B 16.5 Clase 150 R.F.
 ANSI B 16.5 Clase 300 R.F.

OVERALL DIMENSIONS

DIN EN 558-1

HIDROSTÁTIC TEST:

ANSI B 16.37

INSPECCIÓN AND TESTING:

API 598

FIRE TEST:

API 6FA

TEMPERATURE (máx)

538° C

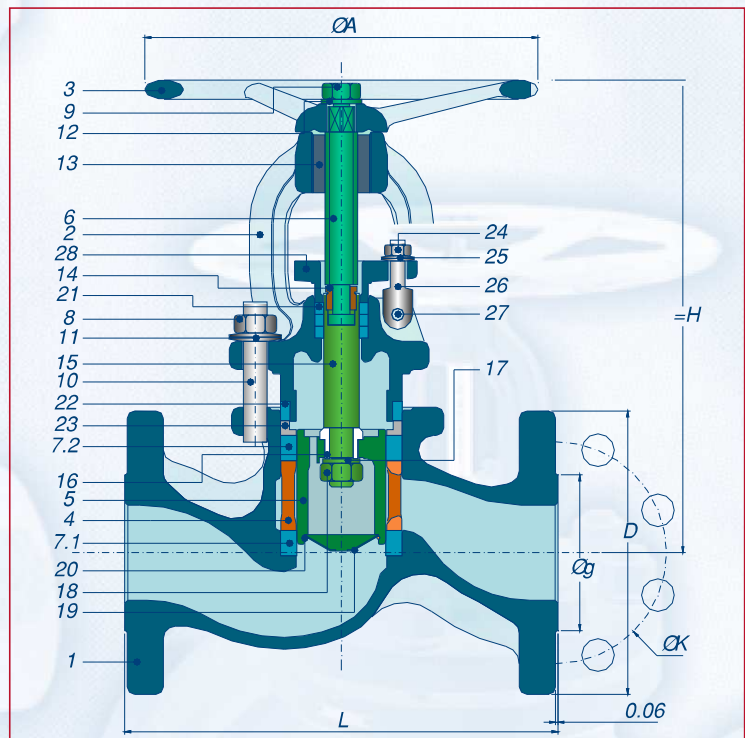
PRESSURE (máx)

720 Psi

Ordering example
 KDM 3300-1/2"

Piston valves in all sizes may be
 provided with pneumatic actuators.

DN	ØK	150	300	#	Ø	#	Ø
2 1/2"	5.50	5.88	4	3/4"	8	7/8"	
3"	6.00	6.62	4	3/4"	8	7/8"	
4"	7.50	7.88	8	3/4"	8	7/8"	
6"	9.50	10.62	8	7/8"	12	7/8"	
8"	11.75	13.00	8	7/8"	12	1"	



	PART NAME	MATERIAL
1	Body	ASTM A351 Grade CF8M
2	Bonnet	ASTM A351 Grade CF8M
3	Handwheel	ASTM A351 Grade CF8M
4	Lantern bush	ASTM A351 Grade CF8M
5	Piston	AISI 316
6	Spindle	AISI 316
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 6F
9	Handwheel nut	ASTM 194 Grade 6F
10	Stud bolt	ASTM A193 Grade B8
11	Belleville washer	AISI 316
12	Lock washer	Stainless steel
13	Threaded bush	AISI 304
14	Split nut	AISI 316
15	Piston shaft	AISI 316
16	Back seat	AISI 316
17	Disc	AISI 316
18	Hexagon nut notched	AISI 316
19	Piston nose cone	AISI 316
20	Securing ring	ASTM A416
21	Stuffing-box ring	K-Graf
22	OT valve ring	K-Graf
23	Thrust piece	ASTM A416
24	Hexagon nut	ASTM A194 Grade 6F
25	Belleville washer	AISI 316
26	Swing bolt	ASTM A193 Grade B8
27	Notched parallel pin	ASTM A193 Grade B8
28	Gland retainer	ASTM A351 Grade CF8M

DN	A	150	L	300	STROKE	H	WEIGHT (Kgs.)
							150 300
2 1/2"	10.40	8.50	11.50	1.90	12.40	25.10	30.60
3"	10.40	9.50	12.50	2.20	13.20	35.00	39.00
4"	11.80	11.50	14.00	2.50	15.30	53.00	60.50
6"	15.70	16.00	17.50	3.60	19.60	105.50	117.50
8"	15.70	19.50	22.00	4.65	22.75	196.00	218.00

** Overall dimensions in inches**

In the interest of technical progress, designs and dimensions are subject to modification.

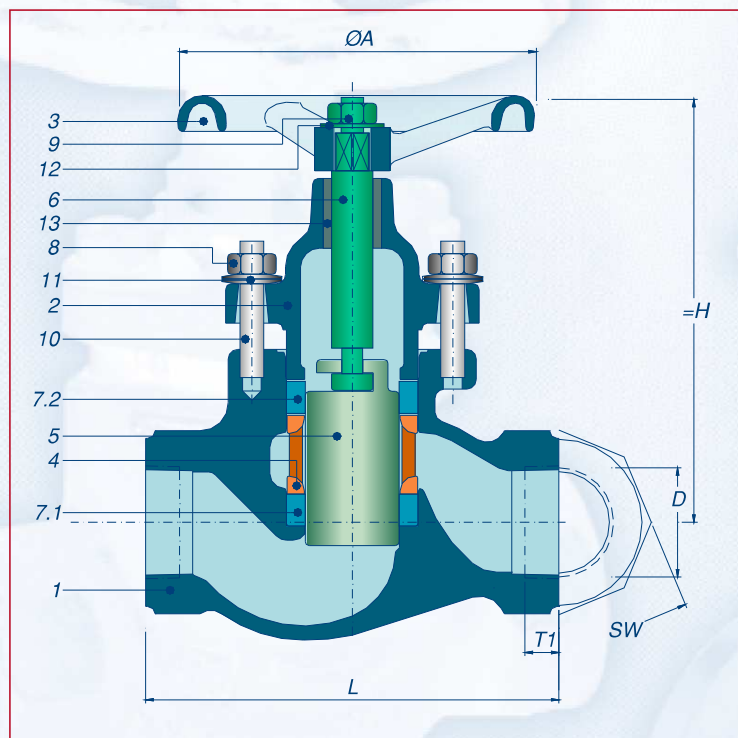
PISTON VALVES

3000 SERIES

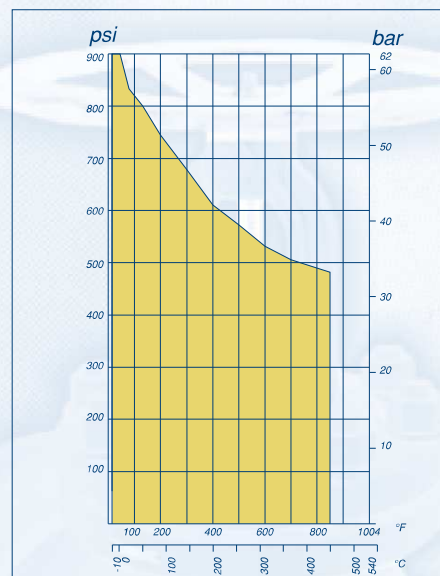
Model 3600

1/2" to 2"

900 Psi CWP



Piston valve weld
Socket weld to ANSI B16.11
Class 150 Model 3600
Material: Stainless Steel A351-CF8M
Sealing element : K-Graf module



Pressure and temperature limits (A 351 CF8M)

Mod. 3600
 900 CWP

CONEXIÓN:
 Socket weld ANSI B16.11

HIDROSTATIC TEST:
 ANSI B 16.37

INSPECCIÓN AND TESTING:
 API 598

FIRE TEST:
 API 6FA

TEMPERATURE(máx)
 454° C (CF8M)

PRESSURE (máx)
 900 Psi CWP

PART NAME		MATERIAL
1	Body	ASTM A351 Grade CF8M
2	Bonnet	ASTM A351 Grade CF8M
3	Handwheel	ASTM A351 Grade CF8M
4	Lantern bush	ASTM A351 Grade CF8M
5	Piston	AISI 316
6	Spindle	AISI 316
7.1	Lower valve ring	K-Graf
7.2	Upper valve ring	K-Graf
8	Bonnet nut	ASTM 194 Grade 6F
9	Handwheel nut	ASTM 194 Grade 6F
10	Stud bolt	ASTM A193 Grade B8
11	Belleville washer	AISI 316
12	Lock washer	Stainless steel
13	Threaded bush	AISI 304

Ordering example
 KDM 3600-1 1/2"

Piston valves in all sizes may be
 provided with pneumatic actuators.

DN	A	L	STROKE	H	SW	WEIGHT (Kgs.)
1/2"	3.90	4.00	1.00	4.20	1.40	1.700
3/4"	4.70	4.75	1.20	4.80	1.60	2.500
1"	5.50	5.30	1.40	5.60	1.96	4.100
1 1/2"	7.10	7.25	1.90	7.60	2.95	9.500
2"	7.50	8.62	2.20	8.60	3.55	13.500

DN	Connection socket weld (D)	T1
1/2"	0.85	0.53
3/4"	1.06	0.55
1"	1.33	0.66
1 1/2"	1.92	0.68
2"	2.40	0.70

** Overall dimensions in inches**

In the interest of technical progress, designs and dimensions are subject to modification.