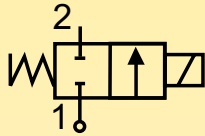


Solenoid valves for steam and high temperatures

2/2 way - Normally Closed - Direct Operated

Fittings: G = 1/4"

Series **126**

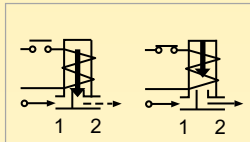


N.C.

Normally closed

Coil energised - open

Coil de-energised - closed



General description:

PARKER series 126 solenoid valves are direct operated and do not require a minimum differential pressure to operate.

They are used **with steam and superheated water**.

Series 126 valves are **normally closed**.

Temperatures:

The working temperature for media is: **+140°C** for models with an ethylene propylene seal (EPDM) and **+180°C** for the version with a Teflon seal (PTFE).

The minimum temperature of media is

-10°C

The maximum ambient temperature is:

with class "F" coils **+50°C**

with class "H" coils **+80°C**

Application:

Series 126 solenoid valves are ideal for automatic control of steam and superheated water in applications such as:

- Steam generators;
- Sterilisers;
- Autoclaves;
- Espresso coffee machines;
- Drink dispensers;
- Furnaces;
- Ironing boards and presses.

Coils:

For series 126 valves class "F" coils (**155°C**) are available encapsulated in thermoplastic containing 30% glass fiber (types ZB, YB) and class "H" coils (**180°C**) are available encapsulated in thermoplastic containing 40% of glass fiber (type ZH).

All the coils are for continuous service, 100% E.D.

The rated voltage tolerance is:

±10% for A.C. power supply and

+10% -5% for D.C.

The "Z" and "Y" coils can be used on a.c. with a frequency of 50/60 Hz (dualfrequency).

The "Z" coils have Faston terminals for **DIN 43650A** connectors with protection to **IP65**.

The "Y" coil has terminals with 2 x 1,000 mm cables with protection to **IP67**.

Installation:

The valves can be mounted in any position without jeopardising their operation. It is however advisable to install them with the coil in a vertical position above the body.

The valve body has a M4 x 8 mounting hole.

Approvals:



- For the coils:
ZB 09 115V/50-60Hz, 220-230V/50-60Hz, 240V/50-60Hz
ZH 09 24V/50-60Hz
ZH 12 12V DC, 24V DC
YB 09 220-230V/50-60Hz



- For the coils:
ZB 09 220-230V/50-60Hz, 240V/50-60Hz
YB 09 220-230V/50-60Hz



- UL Recognized Comp. coils mark:
ZB 09 24V/60Hz, 110-120V/60Hz, 208-240V/60Hz
YB 09 24V/60Hz, 110-120V/60Hz, 208-240V/60Hz



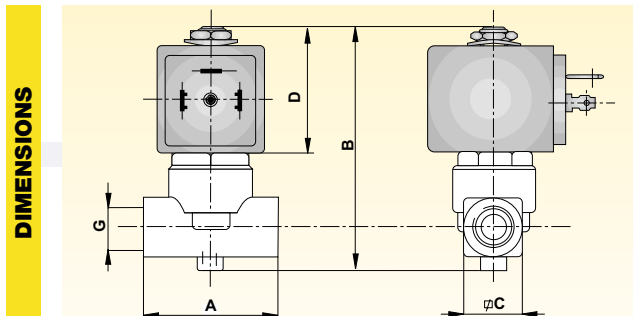
Series **126**

MATERIALS	• Valve body:	CW617N UNI EN 12165:98 brass stamping
	• Seals:	EPDM - PTFE (Teflon)
	• Enclosing tube:	AISI 304 stainless steel
	• Plunger:	AISI 430F stainless steel
	• Spring:	AISI 302 stainless steel
	• Shading ring:	Copper
• Fitted sit:	AISI 304 stainless steel	

ELECTRICAL FEATURES	Coil type []		Power [W]		Insulat. class
	A.C.(~)	D.C.(=)	A.C.(~)	D.C.(=)	
	ZB 09	ZB 12	9	12	F
	YB 09	YB 12	9	12	F
	ZH 09	ZH 12	9	12	F
	ZH 14	ZH 16	14	16	H

SPECIFICATION	Fittings Ø G	Valve type	Nominal orifice Ø	Flow coefficient Kv	Minimum pressure	Max differential pressure (M.O.P.D.)		Coil type	Weight	Notes
	["]	[]	[mm]	[m³/h]	[bar]	in A.C.(~) [bar]	in D.C.(=) [bar]	[]	[Kg]	[]
	1/4	126 YH	3,0	0,25	0	10	6	YB - ZB	0,33	1 - 2
	1/4	126 YT	3,0	0,25	0	10	10	ZH	0,33	2

Note: 1) Maximum pressure for steam 4 bar (140°C). 2) NP (nominal pressure): 25 bar.



Fittings Ø G	A	B	C	D
["]	[mm]	[mm]	[mm]	[mm]
1/4	40	75,5	18	37,5

ORDER CODE	PM	126	Y								
	VALVE BODY	FITTINGS									
		Y	1/4"								
	SERIES	SEAL									
	H EPDM										
	T PTFE (Teflon)										

				[V]	[Hz]/d.c.	
Coil type	24 V 50/60 Hz	115V 50/60 Hz	220-230 V 50/60 Hz	240 V 50/60 Hz	12 V d.c.	24 V d.c.
ZB 09	●	●	●	●		
ZH 09	●					
ZB 12					●	●
ZH 12					●	●
YB 09	●	●	●			
YB 12					●	●
ZH 14	●	●	●			
ZH 16					●	●

Coil type	24 V / 60 Hz	110-120 V / 60 Hz	208-240 V / 60 Hz
ZB 09 UL	●	●	●
YB 09 UL	●	●	●

Note: Valve supplied with body (PM) and coil separate. Connectors to be ordered separately.