

Solenoid valves for heating

2/2 way - Normally Open - Direct Operated

Fittings: G = 1/8" - 1/4"



Series **120.4**

General description:

PARKER series 120.4 solenoid valves are direct operated and do not require a minimum differential pressure to operate.

They are used for general applications with media such as **fuel oils, diesel oil or naphtha up to 7°E**, provided they are compatible with the construction materials used.

Series 120.4 valves are **normally open** with inlet and outlet in line.

Temperatures:

The working temperature for media is:

maximum **+160°C**

minimum **-30°C**

The maximum ambient temperature is:

+60°C

Coils:

For series 120.4 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% 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

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

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**.

Materials:

• Valve body:	OT58 UNI 5705 brass stamping
• Seals:	Ruby
• Enclosing tube:	AISI 304 stainless steel
• Plunger:	AISI 430F stainless steel
• Spring:	AISI 302 stainless steel
• Shading ring:	Copper

Electrical features:

Coil type []		Power [W]		Insulat. class
A.C.(~)	D.C.(=)	A.C.(~)	D.C.(=)	
ZB 14	-	14	-	F
YB 14	-	14	-	F
ZH 14	-	14	-	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
					in A.C.(~) [bar]	in D.C.(=) [bar]			
["]	[]	[mm]	[m³/h]	[bar]			[]	[Kg]	[]
1/8	120.4 I	3.0	0.24	0	30	-	Z - Y	0.350	1
1/4	120.4 A	3.0	0.24	0	30	-	Z - Y	0.320	1

Note: 1) NP (nominal pressure): 64 bar.

