

Solenoid valves for heating

2/2 way - Normally Closed - Direct Operated

Fittings: G = 3/8" - 1/2"



Series **153**

General description:

PARKER series 153 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 up to 2°E.

Series 153 valves are normally closed.

Temperatures:

The working temperature for media is:
 maximum +140°C
 minimum -10°C

The maximum ambient temperature is:
 with class "F" coils +50°C
 with class "H" coils +80°C

Coils:

For series 153 valves class "F" (155°C) coils 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% in D.C.

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 connector 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:	Viton
• 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	ZB 16	14	16	F
YB 14	YB 16	14	16	F
ZH 14	ZH 16	14	16	H
KP 07	-	7	-	F

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]	[]
3/8	153 B	5	0.612	0	2	-	K	0.390	1
1/2	153 G	5	0.612	0	2	-	K	0.350	1
3/8	153 B	5	0.612	0	5	1.5	Z - Y	0.390	1
1/2	153 G	5	0.612	0	5	1.5	Z - Y	0.350	1

Note: 1) NP (nominal pressure): 10 bar.

