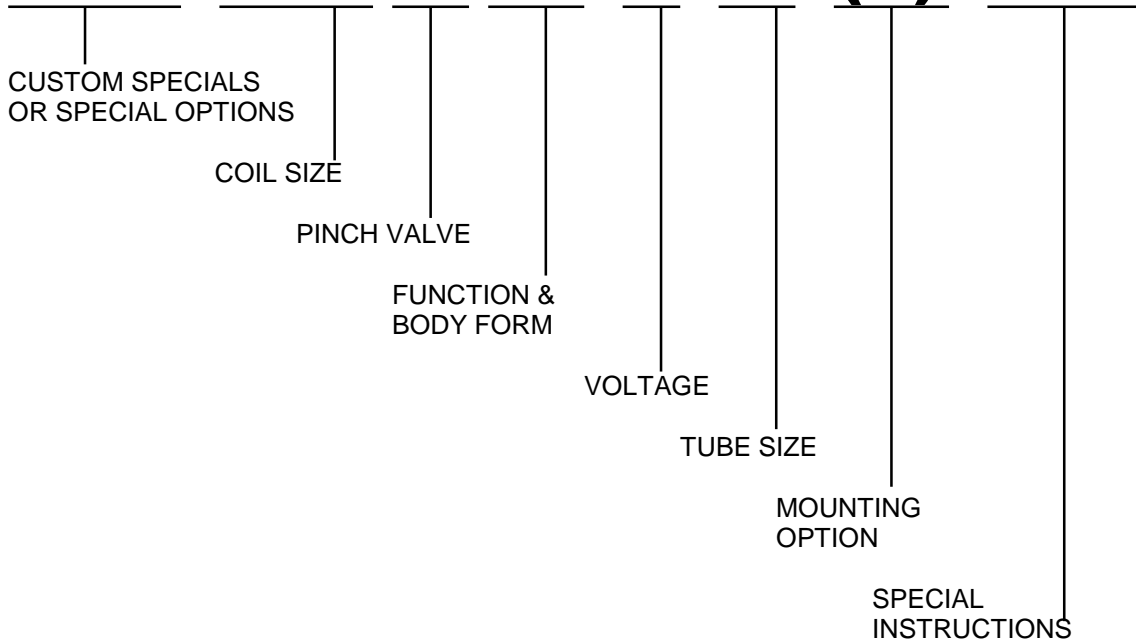


PINCH VALVES

XXX-225-P-01-1-11-(a)-ZZZ



The above shows the basic layout for the NR part numbering system. Please note however that not all the allocated segments are used for each product, especially when dealing with standard valves. The following sheets will deal with each segment of the part number in detail.

PRODUCT IDENTIFICATION

XXX = The first digits preceding the coil number are normally used to identify a customer special or a factory option such as, "AC", which denotes a special we had made for Alpha Controls. There are very few standard factory options for pinch valves, unlike the PTFE isolation valves. Some of the more common designations are as follows:-

AC	Customer Special.
K	Customer Special.
TE	Customer Special.
CM	Customer Special.
CE	Customer Special.

Plus many others.

161 = These three digits specify the coil sizes of which there are four standards available, those being as follows:-

161	0.75" in diameter, (19.00 mm) and has 1.0 Watt consumption.
225	1.00" in diameter, (25.40 mm) and has 1.5 Watt consumption.
360	1.25" in diameter, (31.75 mm) and has 4.2 Watt consumption.
648	1.50" in diameter, (38.10 mm) and has 7.2 Watt consumption.

P = This letter indicates the type of valve. Where a "P" is shown this signifies a PINCH VALVE, any other letter would be a body material for the diverting/isolating valves covered in the previous section. The materials that make up the different types of pinch valves vary from model to model and are not really important as the media never come into contact with them.

01 = These two numbers specify both the action and form that the valve body takes. The action being its operating condition, normally open, normally closed etc., and the form is the physical shape and configuration of the valve body. A summary of the basic designations are given below and a schematic of the body forms are given on the next page. Note, only pinch valves are shown, diverting/isolating valves covered in a section on their own.

01	1 tube normally closed	Form	PA
02	1 tube normally open	Form	PB
03	2 tube normally closed	Form	PC
04	2 tube normally open	Form	PD
05	4 tube normally closed	Form	PE
06	4 tube normally open	Form	PF
07	2 tube N.C. - 2 tube N.O.	Form	PG
08	4 tube N.C. - 4 tube N.O.	Form	PH
09	1 tube N.C. - 1 tube N.O.	Form	PI

1 = This digit signifies the voltage of the standard coils. Note, some other voltages are also available on special order.

- | | |
|---|---|
| 1 | 12 Volts DC |
| 2 | 24 Volts DC |
| 3 | 110 Volts AC (Note, must be used with the supplied rectifier) |

11 = These digits signify the size of the silicone tube used a particular valve. Note that on the standard 161P01 and 161P02 valves the tube code is not shown as it uses the 0,065 O.D. tube as standard, only if a special with 11 is required is it noted. A list of the tube sizes are as follows.

Tubing Code Number	Tubing Dimensions			Wall Tolerance	Part Number
	I.D. inches	O.D. inches	WALL inches		
11	1/32	3/32	1/32	± 0.005	TBGM100
21	1/16	1/8	1/32	± 0.005	TBGM101
22	1/16	3/16	1/16	± 0.006	TBGM102
42	1/8	1/4	1/16	± 0.006	TBGM103
62	3/16	5/16	1/16	± 0.006	TBGM104
82	1/4	3/8	1/16	± 0.006	TBGM105
Special	0,104	0,192	0,044	± 0.005	TBGM106
Standard on 161 valves	0,030	0,065	0,017	± 0.005	TBGM107

Obviously there are a large number of combinations available and it is best to check with the sales office as to the preferred models available.

(a) = If present this signifies that there are additional mounting holes in the coil housing as well as the valve base. Note that all valves are now supplied with this option and therefore it is not shown in the part numbers.

ZZZ = This section is only used for special instructions and where options are required that have yet to be given and dedicated prefix or suffix such as :-

- Latching valves.
- Position feed back.
- Teflon coated coil.

See Page 3.2.4 for schematics of the valve configuration.

SCHEMATIC VALVE CONFIGURATIONS

