Gold Ring™ Solenoid Valve

Bulletin 7288 **Effective 1Apr95**
Revision D **Revised 20Oct00**

Parker Hannifin Corporation
Fluid Control Division

Parker Gold Ring™ Solenoid Valve Temperature Limitations

The following table provides fluid and ambient temperature data for Parker Gold Ring™ solenoid valves.

Series or Catalog Number	Watt Rating	Coil Ins. Class (See Note 2)	Maximum Ambient Temperature °F	Maximum Fluid Temperature °F
Series 20	9.5	130	77	200
Series P,20,22,24,25,26,30,34,38	6,6.8,6.9,7.5,8.1	155	130	180
Series 20,23,24,25,26,28,34,35,38,48	11,11.6,12.6,13.9	155	130	180
Series 20,22,23,24,25,26,28,30,34,35,38,48	6,6.8,6.9,7.5,8.1,11,11.6,12.6,13.9	180	167	216
Series 20,30	10.2,10.4,10.8,12.3,12.7	155	77	180
Series 20,30,34	16,16.7,17.4	155	77	200
Series 22	16,16.7,17.4	155	77	175
Series 20,22,30,34	10.2,10.4,10.8,12.3,12.7,16.7,17.4	180	113	236
Series 30	11,11.6	155	130	200
Exception 12F25	6,6.8,6.9,8.1,11	155	77	175
Exception 12F25	6,6.8,6.9,8.1,11	180	113	236
Series S3, S4, S5	6, 6.8, 6.9, 8.1, 9, 11	155	77	300
Series S5	11	155	131	320
Series S5	11	180	131	353
Exceptions				
04F20C2410ACH	11,11.6,12.6,13.9	180	130	344
06F20C2410ACH	11,11.6,12.6,13.9	180	130	344
04F20C6414ACH	11,11.6,12.6,13.9	180	130	316
06F20C6414ACH	11,11.6,12.6,13.9	180	130	316
04F20C6418ADF	16,16.7,17.4	155	77	307
06F20C6418ADF	16,6.7,17.4	155	77	307
04F20C6408ACH	11,11.6,17.4	180	130	353
06F20C6408ACH Seven digit may also be 3	11,11.6,17.4	180	130	353
All	9.5	155	77	120
All	11.5	155	77	150
Exceptions				
With "5" in 8th digit	11.5	155	77	140
With "20" before A3F	11.5	155	77	180
With "28" before A3F	11.5	155	77	180
04F20O1103	11.5	155	77	140
04F20O1106	11.5	155	77	140
Series 48	11.5	155	77	104
04F25	11.5	155	77	160

Note 1 - Valves with case Urethane discs (8th digit is 5) have a maximum 140°F maximum fluid temperature.
Note 2 - Insulation class is maximum allowable insulation material temperature, °C.

CAUTION
(Rectified Coil Only)

This solenoid coil contains solid state components that can be damaged by voltage spikes, transient voltage, over temperature, over voltage or improper assembly. To protect against premature coil failure, please read and adhere to the following:

1. If this coil is used in an inductive circuit with other inductive loads either in series or in parallel, this coils should be protected by a voltage suppression device with a minimum rating of 1.4 times the input voltage and sufficient capacity to dissipate the inductive load.
2. This coil is designed to operate in a maximum of 77°F (25°C) ambient which should not be exceeded for an extended period of time.
3. If solenoid is disassembled, all components must be reassembled correctly. Do not energize the solenoid unless it is assembled to a valve.
4. Operating voltage is 85-100% of rated voltage. These limits should not be exceeded.

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