

How to Select and Specify

Not all optional features are appropriate or available for all valves.

Table 1 lists the optional electrical feature prefixes available for each RedHat II solenoid and coil. Specify these features by adding the indicated prefixes to the valve catalog number.

For those prefixes marked with a “●” or for optional RedHat electrical features not covered here, contact your local ASCO sales office.

Table 2 lists the suffixes for optional construction features available for each valve Series. Specify these features by adding the indicated suffixes to the valve catalog number.

Table 1: Optional RedHat II Electrical Feature Prefixes (For RedHat optional electrical features, contact your local sales office.)

Code	Solenoid
EF	Class I, Division 1 Explosionproof
EV	Class I, Division 1 Explosionproof with 316 Stainless Steel Hub and Stainless Steel Base Plate
EE	Class I, Division 2 General Purpose
GP	Panel Mount Type 1 General Purpose Solenoid
J	Junction Box
JP	Panel Mount Junction Box
OF	Open Frame Spade and Screw Terminal Solenoids
OP	Panel Mount Spade, Screw and DIN Terminal Solenoids
Code	Coil
HB	Class H - Intermediate Power
● HC	Class H - Battery Charging Coil
HT	Class H - High Temperature
KB	Class H - Intermediate Power - Screw Terminals
● KC	Class H - Battery Charging Circuit - Screw Terminals
KF	Class F - High Temperature - Screw Terminals
KH	Class H - High Temperature - Screw Terminals
KP	Class F - Intermediate Power - Screw Terminals
SC	Class F - High Temperature - DIN Connection
SD	Class F - Intermediate Power - DIN Connection
SF	Class F - High Temperature - Spade Terminals
SP	Class F - Intermediate Power - Spade Terminals
SS	Class H - Intermediate Power - Spade Terminals
ST	Class H - High Temperature - Spade Terminals
SU	Class H - High Temperature - DIN Connection
SV	Class H - Intermediate Power - DIN Connection
● SW	Class H - Battery Charging Circuit - Spade Terminals
VT	Class F - High Temperature - Micro 4 Pin Connector
VB	Class F - Intermediate Power - Micro 4 Pin Connector
ZT	Class F - High Temperature - Mini 3 Pin Connector
ZB	Class F - Intermediate Power - Mini 3 Pin Connector
Code	Feature
● L	72" continuous leads
● X	Other special constructions

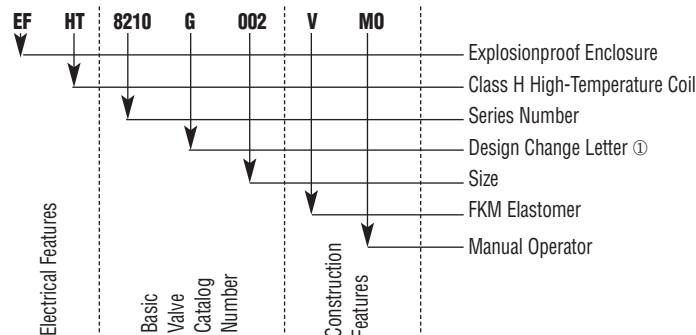
Note: See chart on next page for specific power and temperature ratings.

Table 2: Suffixes for Optional Construction Features

SUFFIX I		SUFFIX II		SUFFIX III	
Code	Seat/Disc/Etc. Material	Code	Form of Flow	Code	Feature
E	EPDM (Ethylene Propylene)	F ①	Normally Closed	HW ①	Hot Water Construction
J	CR (Chloroprene, Neoprene)	G ①	Normally Open	LT ①	Low Temperature
K ①	Air Operated, 3-30 psi	U ①	Universal	M	Metering Device
N	Oxygen			MB ①	Mounting Bracket
Q ①	Long-Life Construction			MO	Manual Operator
R ①	Resilient			MS	Screw Type Manual Operator
T	PTFE			VH ①	High Vacuum
V	FKM			VM ①	Medium Vacuum

① Covered on the pages of the Series in which it is used.

An example of an ASCO valve catalog number with prefixes and suffixes:



① The Design Change Letter indicates a major design change affecting spare parts kits, rebuild kits, and coils. The correct replacement parts for each change letter are shown in ASCO's Rebuild Kits and Coils Catalog.

Optional Electrical Features

Most optional electrical features shown here can be included on ASCO valves approved by UL, FM, and CSA.

Identify the options you want by adding the appropriate prefix to the catalog number of the valve you are specifying.

To determine the proper prefix, use the Valve Series Specification Table for the valve you are ordering to determine its watt rating/class of coil insulation.

RedHat II Solenoid Options

Using Table 3, find the desired solenoid option in the left column and the watt rating/class of coil insulation in the next column. The choice of prefixes is shown in the next two columns on that line. The first column indicates the prefix if Class F temperature protection is sufficient for your requirements. The second column provides the desired solenoid option, plus the higher temperature protection of a Class H coil.

For example, to select an 8262H002 valve with a Class H Open Frame Spade Terminal Solenoid, assuming the voltage to be 120 volts AC, 60 Hz:

- In the Specification Table for Series 8262, the Watt Rating/Class of Coil Insulation is 6.1/F for Catalog Number 8262H002.
- Using Table 3, find the listing for “Open Frame Solenoid with Spade Terminal Coil” in the left column. Then, find 6.1/F under AC coils in the next column. Reading across the column headed “Class H Coil,” you’ll find the prefix “OFST.” To order, specify Catalog Number OFST8262H002, 120/60.

(Note: Always include the voltage and frequency.)

Table 3: Solenoid Options for RedHat II Valves

Solenoid Option Required	Watt Rating/Class of Insulation		Class F Coil Prefix	Class H Coil Prefix
	AC	DC		
General Purpose Solenoid (Standard Valve Construction)	6.1/F	1.4/F	-	HT HT
	10.1/F	10.6/F		
	16.1/F	11.6/F		
Panel Mount Type 1 General Purpose Solenoid	9.1/F	22.6/F	-	HB
	17.1/F			
	20.1/F			
Type 7 Explosionproof Solenoid	6.1/F	10.6/F	GP	GPHT
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Open Frame Solenoid with Spade Terminal Coil	6.1/F	10.6/F	GP	GPHB
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Spade Terminal Coil	6.1/F	10.6/F	GP	GPHT
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Open Frame Solenoid with Screw Terminal Coil	6.1/F	10.6/F	EF	EFHT
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Screw Terminal Coil	9.1/F	22.6/F	EF	EFHB
	17.1/F			
	20.1/F			
Open Frame Solenoid with Spade Terminal Coil	10.1/F	1.4/F	EV	- EVHT EVHB
	15.1/F	11.6/F		
	17.1/F	22.6/F		
Open Frame Solenoid with Spade Terminal Coil	6.1/F	10.6/F	OFSF	OFST
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Spade Terminal Coil	9.1/F	22.6/F	OFSP	OFSS
	17.1/F			
	20.1/F			
Open Frame Solenoid with Screw Terminal Coil	6.1/F	10.6/F	OPSF	OPST
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Screw Terminal Coil	9.1/F	22.6/F	OPSP	OPSS
	17.1/F			
	20.1/F			
Junction Box with Spade Terminal Coil	6.1/F	10.6/F	OFKF	OFKH
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Junction Box with Spade Terminal Coil	9.1/F	22.6/F	OFKP	OFKB
	17.1/F			
	20.1/F			
Open Frame Solenoid with Spade Terminal Coil	6.1/F	10.6/F	OPKF	OPKH
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Screw Terminal Coil	9.1/F	22.6/F	OPKP	OPKH
	17.1/F			
	20.1/F			
Junction Box with Spade Terminal Coil	6.1/F	10.6/F	JSF	JST
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Junction Box with Spade Terminal Coil	9.1/F	22.6/F	JSP	JSS
	17.1/F			
	20.1/F			
Open Frame Solenoid with Spade Terminal Coil	6.1/F	10.6/F	JPSF	JPST
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Spade Terminal Coil	9.1/F	22.6/F	JPSP	JPSS
	17.1/F			
	20.1/F			
Junction Box with Screw Terminal Coil	6.1/F	10.6/F	JKF	JKH
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Junction Box with Screw Terminal Coil	9.1/F	22.6/F	JKP	JKB
	17.1/F			
	20.1/F			
Open Frame Solenoid with Spade Terminal Coil	6.1/F	10.6/F	JPKF	JPKH
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount Solenoid with Spade Terminal Coil	9.1/F	22.6/F	JPKP	JPKB
	17.1/F			
	20.1/F			
DIN Connection Solenoid	6.1/F	10.6/F	SC	SU
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Panel Mount DIN Connection Solenoid	9.1/F	22.6/F	SD	SV
	17.1/F			
	20.1/F			
Micro 4 Pin Connector Solenoid	6.1/F	10.6/F	OPSC	OPSU
	10.1/F	11.6/F		
	17.1/F	22.6/F		
Mini 3 Pin Connector Solenoid	9.1/F	22.6/F	OPSD	OPSV
	17.1/F			
	20.1/F			
Micro 4 Pin Connector Solenoid	10.1/F	11.6/F	VT	-
	17.1/F	22.6/F		
	20.1/F	22.6/F		
Mini 3 Pin Connector Solenoid	10.1/F	11.6/F	ZT	-
	17.1/F	22.6/F		
	20.1/F	22.6/F		
Mini 3 Pin Connector Solenoid	10.1/F	11.6/F	ZB	-
	17.1/F	22.6/F		
	20.1/F	22.6/F		