

## 15190 - Mechanical Identification

### I Piping:

All plumbing and mechanical piping must be color coded and labeled, including sprinkler lines, every 15 feet above a ceiling system and every 10 feet in an open mechanical room.

University of Kentucky Standard Color Coding for Mechanical Piping

Type of Service	Markings	Color*	No.*
High pressure steam and return (over 76 psig)	H.P.S. & H.P.R.	Safety Red	SW4081
Medium pressure steam and return (21 psig to 75 psig)	M.P.S. & M.P.R.	International Orange	SW4082
Low pressure steam and return (0 psig to 20 psig)	L.P.S. & L.P.R.	Safety Orange	SW4083
Domestic cold Water	D.C.W.	Safety Green	SW4085
Domestic hot Water	D.H.W.	Green Byte	SW4076
Medium temperature hot water & return (300 F or less)	M.T.H.W. & M.T.H.W.R.	Safety yellow	SW4084
Reheat supply & return	R.S. & R.R.	Junction yellow	SW4033
Chilled water supply & return	C.W.S. & C.W.R.	Safety blue	SW4086
Condenser water supply & return	C.D.W.S. & C.D.W.R.	Slate gray	SW4026
Natural gas	GAS	Deck Red	SW4040
Safety valve vents	S.V.V.	Galvano	SW4027
Cast iron soil & waste vents	W.&V.	Vacuum Black	SW4032
Chilled hot water	C.H.W.	Galvano	SW4027
Air (steel pipe)	AIR	Galvano	SW4027
Air (copper pipe)	AIR	None	--
Vacuum (copper pipe)	VAC	None	--
Vacuum (steel pipe)	VAC	Galvano	SW4027
Roof leaders	R.L.	Galvano	SW4027
Soft water	S.W.	Pillar White	SW4029
De-mineralized water	D.W.	None	--
Distilled water	DIST. W.	None	--
Diesel fuel	D. FUEL	Galvano	SW4027
Nitrogen	NITROGEN	Galvano	SW4027
Elevator oil lines	E.O.L.	Galvano	SW4027
Muratic acid	MUR. ACID	Galvano	SW4027
Sulfuric acid	SUL. ACID	Galvano	SW4027
Chromate or cooling tower additives	C.T.A.	Galvano	SW4027
Boiler treatment	B.T.	Galvano	SW4027
Gasoline	GASOLINE	Galvano	SW4027
Nitrous oxide (copper)	N. OXIDE	None	--
Caustic soda	C. SODA	Galvano	SW4027
Condensate pump discharge	COND. P.D.	Galvano	SW4027
Sump pump discharge	S. PUMP DIS.	Galvano	SW4027
Oxygen	OXYGEN	None	--
Fire suppression / sprinkler system	FIRE	Safety Red	SW4081
Ammonia	AMMONIA	Bolt brown	SW4001
Glycol solutions	GLYCOL	Rotor Turquoise	SW4066
Freon – R500	FREON R-500	Junction yellow	SW4033
Freon – R502	FREON R-502	Recycled Red	SW4073

NOTES: \* Color and number are from the Sherwin Williams System 4000 color selection guide dated 1999.

# 15190 - Mechanical Identification

## II Valves:

All valves must have labels, both a tag on the valve and on the ceiling grid.

All labels for valves must be on ceiling grid (see UK's standard for lettering below).

### U.K.'s Standards for Standard Lettering:

Attach Seton-Ply Discs to ceiling grid under equipment or to access doors in non-accessible ceiling.

#### EQUIPMENT: COLOR:

Valve Yellow  
Fire Damper Black  
Smoke Damper Black  
Volume Damper Black  
Terminal Unit Red  
Variable Volume Unit Red  
Heating Coil Blue  
Cabinet Unit Heater Red

#### ENGRAVED:

V.  
F.D.  
SM.D.  
V.D.  
T.  
V.V.  
H.C.  
C.H.