

**PENTEK T-Series Motor, Submersible Motor Control, and Fusing/Wiring Specifications.**

**TABLE V: Recommended Fusing Data - PENTEK T-Series 60 Hz., Single Phase, 3 Wire Induction Run Submersible Pump Motors**

HP	Volts/Hz/Ph	Motor Winding Resistance-Ohms		Service Factor Amps	Locked Rotor Amps	Fuze Size Standard/Dual Element/CB
		Main	Start			
1/2	230/60/1	3.7	8.6	5.5	19	20/10/15
3/4	230/60/1	2.5	4.8	7.4	25	25/15/20
1	230/60/1	1.9	4.2	8.9	38	30/20/25
1-1/2	230/60/1	1.45	3.3	12.7	49	35/20/30
2	230/60/1	1.3	2.45	12.8	50	30/20/25
3	230/60/1	1.1	2.87	17.1	55	45/30/40
5	230/60/1	0.8	1.7	25.9	83	80/45/60

**TABLE VI: Recommended Fusing Data - PENTEK T-Series 60 Hz., Single Phase 2 Wire Submersible Pump Motors**

HP	Volts/Hz/Ph	Motor Winding Resistance Ohms	Service Factor Amps	Locked Rotor Amps	Fuze Size Standard/Dual Element/CB
1/2	230/60/1	4	5.5	19.0	20/10/15
3/4	230/60/1	2.47	7.4	25.0	25/15/20
1	230/60/1	1.87	8.9	38	30/20/25

**NOTE:** 2 Wire motor leads are not color coded. Overload is located in motor and cannot be tested from above ground.

**TABLE VII: PENTEK T-Series Motor/Control Coordination**

T-Series Motor Model No. (3-W)	HP	Volts/Hz/Ph	SMCT Submersible Motor Control Type	
			CSCR	CSCRP
P43T0005A2	1/2	230/60/1	SMCT-CR0521	-
P43T0007A2	3/4	230/60/1	SMCT-CR0721	-
P43T0010A2	1	230/60/1	SMCT-CR1021	-
P43T0015A2	1-1/2	230/60/1	SMCT-CR1521	-
P43T0020A2	2	230/60/1	SMCT-CR2021	SMCT-CRP2021
P43T0030A2	3	230/60/1	SMCT-CR3021	SMCT-CRP3021
P43T0050A2	5	230/60/1	SMCT-CR5021	SMCT-CRP5021

**NOTE:** PENTEK XE- and T-Series Motors with model numbers beginning 'P42' or 'P42T' are 2-Wire motors and do not use a Submersible Motor Control.

**A Note on Nomenclature:**

**Submersible Motor Control:** The box, including the terminal strip(s), capacitor(s), relay(s), etc, which controls the basic on/off functions for a submersible motor.

**Variable Speed Drive:** A programmable motor control that varies pump speed to maintain constant pressure under varying load conditions.

Motor Type	Submersible Motor Control Type		
	SMC	Franklin	SMCT
PENTEK XE-Series	Yes	Yes	<b>NO</b>
Franklin	Yes	Yes	<b>NO</b>
PENTEK T-Series	<b>NO</b>	<b>NO</b>	Yes