

appropriately sized to be matched with the 4SCU13 unit. If necessary, replace the existing indoor unit fixed orifice with the orifice supplied with the 4SCU13 unit. Place the supplied fixed orifice sticker on the indoor cabinet after installation.

Model *	Part Number	Drill Size
4SHP13-24	100484-09	.059
4SHP13-30	100484-15	.065
4SHP13-36	100484-16	.067
4SHP13-42	100484-23	.074
4SHP13-48	100484-30	.082
4SHP13-60	100484-37	.090

* 4SHP13-18 models are designed for use with TXV systems only.

Table 3

Figure 9 shows how to install the replacement fixed orifice. Do not twist cap tubes when loosening the seal nut from the orifice housing. Use wrench to back up the distributor.

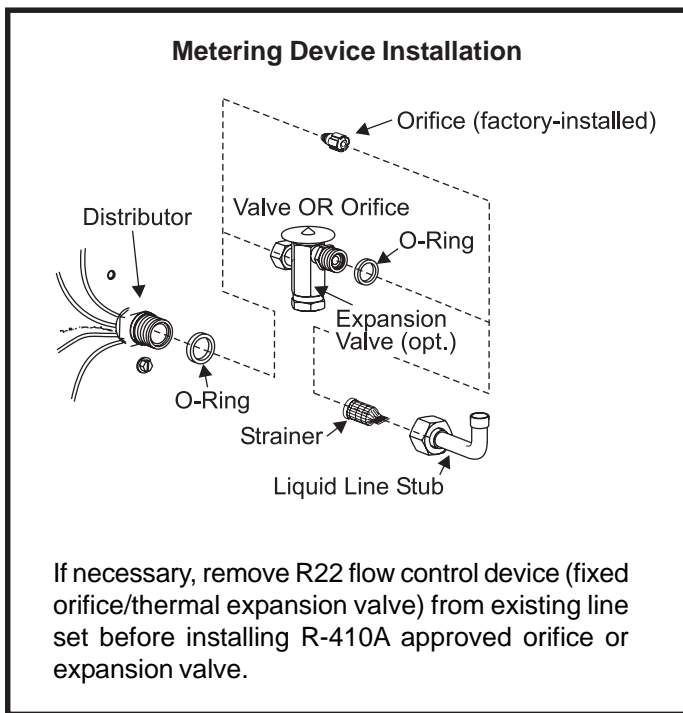


Figure 9

Expansion Valve Systems

Expansion valves equipped with Chatleff-type fittings are available from the manufacturer. See Table 4 for proper TXV for each unit.

Model	Part Number
4SHP13-18,-24, -30	H4TXV01
4SHP13-36, -42	H4TXV02
4SHP13-48, -60	H4TXV03

Table 4

To install an expansion valve (see Figure 9):

1. Separate the distributor assembly and remove the piston orifice and used teflon seal. Insert nozzle end of the expansion valve along with a new teflon seal into the distributor and tighten to 20 – 30 ft. lbs. Use backup wrench on all wrench flats. **Overtightening will crush the teflon seal and may cause a leak.**
2. Attach liquid line portion of distributor assembly along with new teflon seal to the inlet of the expansion valve. Tighten to 20 – 30 ft. lbs. Use backup wrench on all wrench flats. **Overtightening will crush the teflon seal and may cause a leak.**
3. Connect the external equalizer line to the equalizer port on the suction line and tighten to 8 ft. lbs.
4. Strap the superheat sensing bulb to the suction header.

If installing an expansion valve on an indoor coil that previously used a fixed orifice, be sure to remove the existing fixed orifice. Failure to remove a fixed orifice when installing an expansion valve to the indoor coil will result in improper operation and damage to the system.

Manifold Gauge Set

Manifold gauge sets used with systems charged with R410A refrigerant must be capable of handling the higher system operating pressures. The gauges should be rated for use with pressures 0 – 800 on the high side and a low side of 30" vacuum to 250 psi with dampened speed to 500 psi. Gauge hoses must be rated for use at up to 800 psi of pressure with a 4000 psi burst rating.

Liquid and SuctionLine Service Valves

The liquid line and suction line service valves and service ports are used for leak testing, evacuating, charging, and checking charge.