

Packed Column Inlet Fittings**(Direct Injection into 0.32 or 0.53mm ID Capillary Columns)****Dual-Column Direct Injection Tee**

A Dual-Column Direct Injection Tee was developed for 1/4-inch packed column inlets. The tee is designed with a glass spiral prior to the split point to promote sample vaporization and to provide even sample distribution to the two columns. The glass spiral also traps dirty sample residue and minimizes the need for guard columns. High molecular weight contaminants are trapped in the first turn of the spiral, allowing up to four times more injections than conventional inlet liners packed with wool. Inlet maintenance and downtime are significantly reduced. A Press-Tight® taper in each outlet leg facilitates a perfect dead-volume-free connection to each analytical column (OD ranging from 0.4 to 0.8mm) and allows visual confirmation of the column connection.

Description	qty.	cat.#
DI Tee Kit (includes all fittings/ferrules)	kit	20412
Replacement Tee	ea.	20411

Graphite Replacement Ferrules

ID	fitting size	qty.	cat.#
0.5mm	1/16"	10-pk.	20201
	1/32"	50-pk.	20228
0.8mm	1/16"	10-pk.	20202
	1/32"	50-pk.	20224
1/4-inch	1/4"	10-pk.	20210

Dual-Column mini-Lam Direct Injection Tee for 1/4-Inch Packed Column Inlets

Based on Dr. Konrad Grob's work, we manufacture a *mini-Lam* direct injection tee that allows complete vaporization and permits larger sample volumes.¹

The *mini-Lam* Direct Injection Liner is designed to fit 1/4-inch packed column injectors. A Press-Tight® taper in each outlet leg makes a perfect, dead-volume-free connection with each analytical column (OD ranging from 0.4 to 0.8mm) and allows visual confirmation of the column connection. The open-top design makes it easy to pack with glass wool to keep sample residue from contaminating the cup. The complete *mini-Lam* Dual Column Direct Injection Kit includes a deactivated 1/4-inch glass tee, 1/4-inch nut and ferrule, two 1/4-inch to 1/16-inch reducing unions, and ferrules. Deactivated replacement glass tees also are available.

Description	qty.	cat.#
mini-Lam DI Tee Kit (Includes all fittings and ferrules)	kit	20436
Replacement 4mm mini-Lam DI Tee	ea.	20435

¹K. Grob, HRC & CC, 15 (1992), 190.



DI Tee Kit



mini-Lam DI Tee Kit