

Plumbing Gobi Collectors Using Dyn-O-Seal Unions with Discs

Gobi Collectors are factory fitted with heavy brass half-unions for quick interconnection without soldering. The unions make a positive seal with any solar collector fluid. The O-rings, (two per collector), are to be inserted before tightening the mating half-

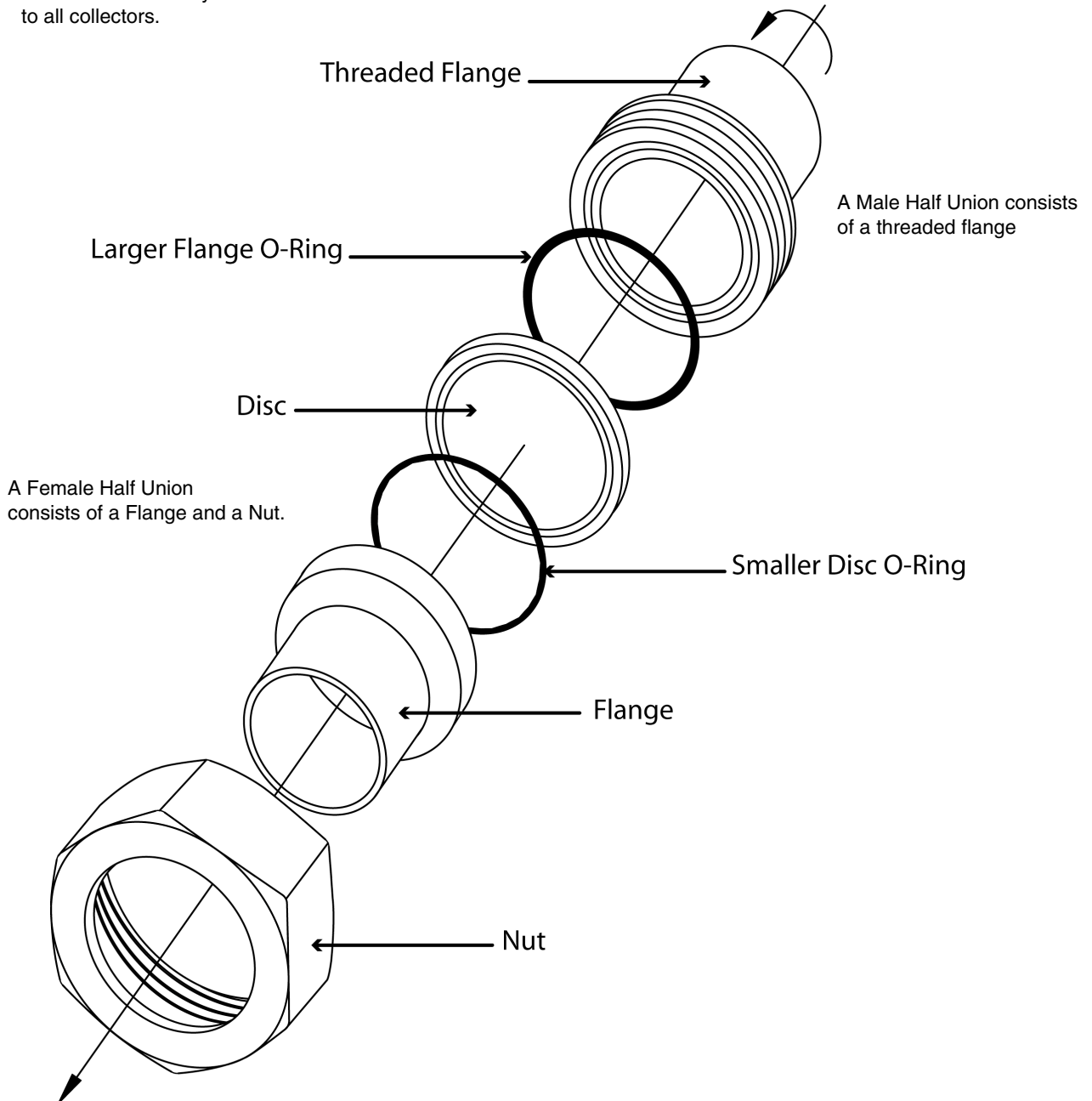
unions on the collectors. They are attached to the Gobi Frame in a plastic pouch.

Capping off and connecting feeder lines can be efficiently performed with the DOS Disk kit.

DOS Disc

The DOS disc consists of the components listed to the left. Use this accessory to cap off the unused fittings on any collector array.

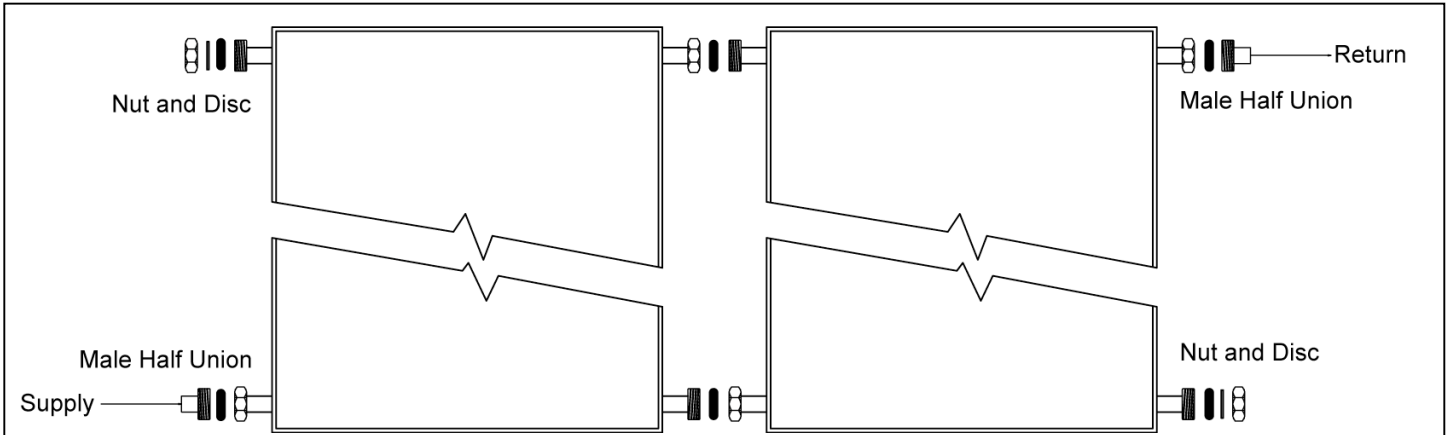
Heliodyne's heavy-duty zero-clearance machined brass union is factory fitted to all collectors.



Gobi Collector Reverse Return Connecting Options

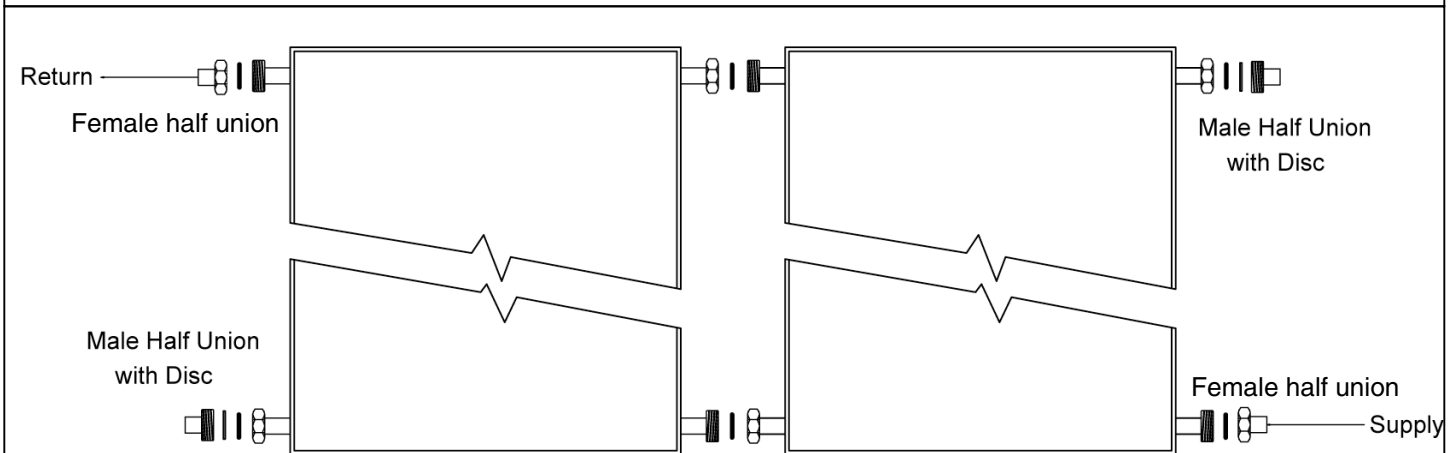
Gobi Collectors are factory fitted with Dyn-O-Seal Union Halves and are connected to each other by inserting the O-rings (attached to the collector profile near the label) before tightening the mating halves each other. Do not use any thread compounds on these heavy-duty machined brass unions, which are to be tightened without excess torque. Always install the same number of Gobi in each array (for multiple array installations) with a maximum of 8 Gobi per array.

Two options are available for connections to the collector supply and return lines and capping off the unused header halves at the end of the array. Always feed into the lower header and exit at the opposite top header.



Left Bottom In, Top Right Out:

Separate the Dyn-O-Seal union halves. Use the threaded (male) half union of each DOS Disc to connect the supply line bottom left and the hot return at the upper right. Bush up or down as needed for the feeder lines. Insert the Viton O-ring after soldering and before tightening the union. Use the nut and disc on the unused headers at the top left and bottom right.



Right Bottom In, Top Left Out:

Separate the Dyn-O-Seal union halves; remove the O-rings for insertion after soldering. Use a female half union (male flange and nut) each to supply (bottom right) and return (top left) lines. Use the remaining threaded halves with the discs and disc O-rings to plug the headers at the bottom left and top right.