

ENERGY
RECOVERY
HOOD
INSTALLATION
10/03/2013

ENERGY RECOVERY PLUMBING DETAIL

1. CONNECT ENERGY RECOVERY COIL TO INLET COLD WATER SUPPLY
2. CONNECT ENERGY RECOVERY OUTLET TO FIELD SUPPLIED HOT WATER HEATER
3. MULTIPLE COILS TO BE PIPED IN SERIES

INCOMING WATER CONNECTION	INCOMING WATER PRESSURE (MAX PSI)	MATERIAL	FLOW RATE
3/4" NPT	100 PSI MAX	INSULATED COPPER OR BRASS	5 GPM MAXIMUM

*TEFLON TAPE TO BE USED FOR ALL JOINTS, ALL EXTERNAL PIPES TO BE INSULATED
 *COIL AIR PRESSURE DROP (IN. W.C.) = 1.25E-8 * CFM^2

FLOW RATE (GPM)	PRESSURE DROP (FT H2O)	PRESSURE DROP (PSI)
0.5	0.582	0.258
1.0	0.612	0.268
1.5	0.652	0.278
2.0	0.712	0.308
2.5	0.782	0.338
3.0	0.872	0.378
3.5	0.982	0.428
4.0	1.102	0.478
4.5	1.232	0.538
5.0	1.382	0.598

