Residential Heating

ProMax® XL

CIRCULATING LOOP HEAT EXCHANGERS

The ProMax® XL circulating loop heat exchanger is designed specifically for installation with A.O. Smith ProMax® SL (Side Loop) gas water heaters. The combination of a ProMax SL water heater and ProMax XL heat exchanger provides domestic hot water, and an isolated source of hot water for radiant floor heating, hydronic air handlers and other closed loop applications.

OUTPUT OPTIONS
- 28,000 BTU (RXLD-28 and RXLS-28)
- 52,000 BTU (RXLD-52 and RXLS-52)

COMPACT, EFFICIENT, BRAZED PLATE HEAT EXCHANGER
- UP TO 60% smaller than traditional shell & tube and coaxial heat exchangers

SINGLE OR DOUBLE-WALL DESIGN
- Double-wall construction for applications requiring double isolation between fluid streams

AUXILIARY CONNECTIONS EXPAND OPTIONS
- Plugged connections can be used as installation points for thermowells, a drain or for flushing heat exchanger
- Connections located on front of heat exchanger, common to primary side of heat exchanger

115V/60Hz PUMP
- Control relay (24 volt coil) located inside wiring junction box

PROMAX SL GAS WATER HEATER OPTIONS
- Standard Vent
- Direct Vent
- Power Vent
- Power Direct-Vent

STANDARDS
- All components UL Listed

1-YEAR LIMITED WARRANTY
- For complete information, consult written warranty

Low Lead Content

Revised May 2012

AOSRG46600

ProMax® XL

CIRCULATING LOOP HEAT EXCHANGERS

COIL & AIR HANDLER APPLICATION - HEAT EXCHANGER SELECTION TABLE

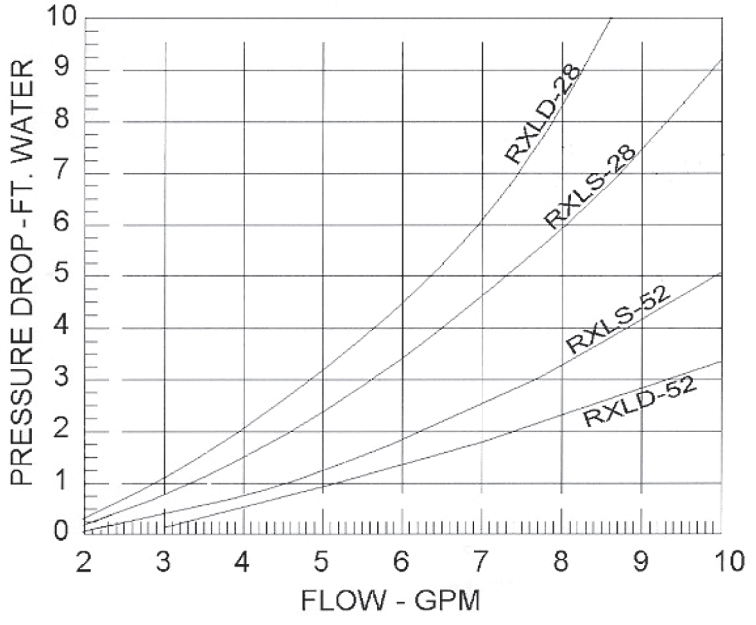
	MODEL	140°F SOURCE (TANK)			150°F SOURCE (TANK)			160°F SOURCE (TANK)		
		BTUH	GPM	PD (FT.)	BTUH	GPM	PD (FT.)	BTUH	GPM	PD (FT.)
DOUBLE WALL HEAT EXCHANGER	RXLD-28	28,000	2.8	1.0	30,000	3.0	1.1	55,000	5.5	3.7
	RXLD-52	52,000	5.2	0.9	55,000	5.5	1.1	79,000	2.3	0.5
SINGLE WALL HEAT EXCHANGER	RXLS-28	28,000	2.8	0.7	36,000	3.6	1.1	68,000	6.8	4.3
	RXLS-52	52,000	5.2	1.3	60,000	6.0	1.7	95,000	9.6	8.5

RADIANT FLOOR APPLICATION - HEAT EXCHANGER SELECTION TABLE

	MODEL	140°F SOURCE (TANK)			150°F SOURCE (TANK)			160°F SOURCE (TANK)		
		BTUH	GPM	PD (FT.)	BTUH	GPM	PD (FT.)	BTUH	GPM	PD (FT.)
DOUBLE WALL HEAT EXCHANGER	RXLD-28	28,000	2.8	1.0	48,000	4.9	3.0	65,000	6.5	5.3
	RXLD-52	52,000	5.2	0.9	82,000	8.3	2.4	110,000	11.1	4.1
SINGLE WALL HEAT EXCHANGER	RXLS-28	28,000	2.8	0.7	50,000	5.0	2.3	98,000	9.8	8.9
	RXLS-52	52,000	5.2	1.3	84,000	8.4	3.6	115,000	11.6	6.2

HEAT EXCHANGER PRESSURE DROP

For Secondary Loop Flow Calculations



PROMAX SL WATER HEATER CROSS-REFERENCE

PROMAX SL WATER HEATER	MODELS	OUTPUT
STANDARD VENT	GCVH-40L	29,600
	GCVT-50L	38,000
	GCVX-50L	50,050
	GCV-65L	49,400
	FCG-75L	57,000
DIRECT VENT	GDV-40L	30,780
	GDVT-50L	40,500
	GDV-75L	44,550
POWER VENT	GPVT-40L	39,000
	GPVT-50L	39,500
	GPVX-50L	49,400
	GPS-75L	64,000
POWER DIRECT VENT	GPD-40L	30,400
	GPDX-50L	47,450
	GPD-75L	53,200

For Technical Information and Automated Fax Service, call 800-527-1953. A.O. Smith Corporation reserves the right to make product changes or improvements without prior notice.