River - Lake - Pond / Hybrid Heat Exchanger

Specifications

HCHE05 / 1.5- 3 Ton Hybrid Heat Exchanger

Head Pressure 2 psi *

*Each run ½" pipe (60"+60"+52"+52") , plus 3 U-Bends equals 225" (5.7 meters)

Assume: 0.5 cubic m/sec=> 2.2 GPM equals pressure drop 1 psi

Allocate another for 1 ½" header pipe & fittings equals pressure drop 1 psi

- Each header is 32" with 16 - ½" feeder pipes.
- 20 GPM / 16 = 1.25 GPM per pipe

Note: Exchanger requires 1 ½" pipe running to and from the unit*.

* At 20 GPM / should have 4-5 psi per 100 ft (200 ft round trip)

HCHE12 / 3.5- 8 Ton Hybrid Heat Exchanger

Head Pressure 2 psi *

*Each run ½" pipe (60"+60"+52"+52") , plus 3 U-Bends equals 225" (5.7 meters)

Assume: 0.5 cubic m/sec=> 2.2 GPM equals pressure drop 1 psi

Allocate another for 2" header pipe & fittings equals pressure drop 1 psi

- Each header is 36" with 20 - ½" feeder pipes.
- 30 GPM / 20 = 1.5 GPM per pipe

Note: Exchanger requires 2" pipe running to and from the unit*.

* If 30 GPM / should have 7 psi per 100 ft (200 ft round trip)

HCHE20 / 12- 20 Ton Hybrid Heat Exchanger

Head Pressure 2 psi *

*Each run ½" pipe (60"+60"+52"+52") , plus 3 U-Bends equals 225" (5.7 meters)

Assume: 0.5 cubic m/sec=> 2.2 GPM equals pressure drop 1 psi

Allocate another for 2" header pipe & fittings equals pressure drop 1 psi

Each header is 48" with 28 - ½" feeder pipes.

60 GPM / 28 = 2.14 GPM per pipe

Note: Exchanger requires 2" pipe running to and from the unit*.

* If 60 GPM / should have 6-9 psi per 100 ft (200 ft round trip)