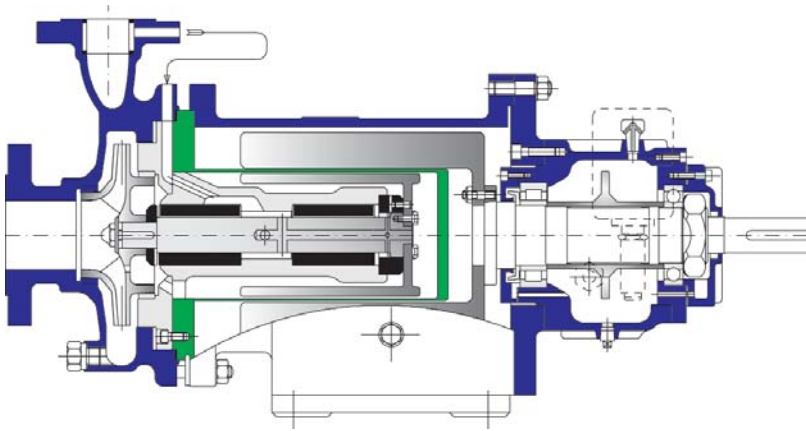


# Heat Transfer

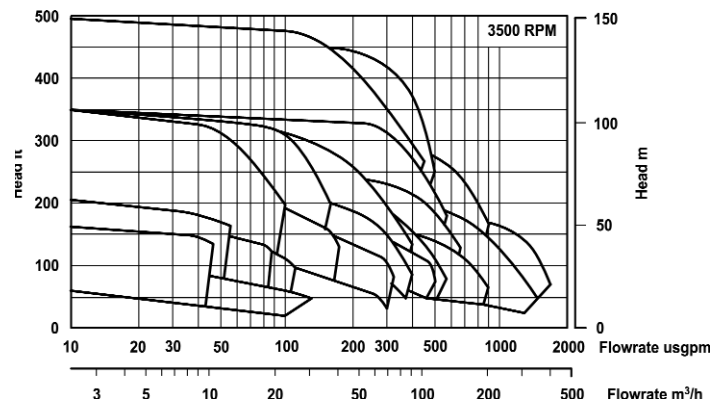
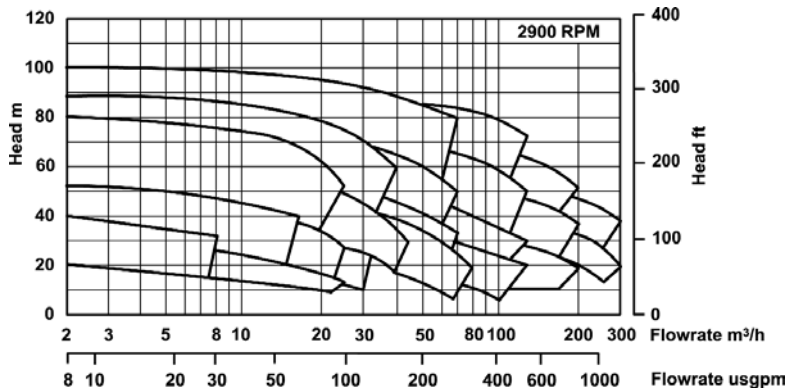


- Seal/less design - total product containment - ideal for heat transfer liquids.
- No product cooling required for temperatures up to 450°C.
- One joint casing/containment shroud/shell design fully confined to eliminate 'Blowout' risk.
- Torque Ring drive positively contributes to the efficiency of the system.
- Built-in soft start feature.
- Ideal for viscous liquids.

Head	Flow	Temperature	Pressure
150 m	400 m <sup>3</sup> /h	-80 to +450°C	18.9 bar
490 ft	1760 usgpm	-112 to +850°F	275 psi

Standard construction is Carbon Steel with Carbon internal bearings. Options of Stainless Steel with graphite gaskets are available.

Various flange options are available as standard.



## A unique solution for hot oil systems

Isolating the pump from the heat source has always been essential in a hot oil system - until now. Thanks to its unique torque ring, the CS pump from HMD requires no cooling fluids or heat exchangers during operation. The pump is totally self-venting and the magnetic coupling is immersed in the hot oil. Not only that, but the torque ring design offers a built in soft start for viscous liquids, and the energy created adds to the efficiency of the system. Simple to operate and maintain, cost-effective to run and capable of operating up to 450°C without cooling - all this makes the CS unit the ideal choice.



... is still evolving