

**Interchangeable casings and impellers** provide consistent hydraulics and easy conversion from sealed to sealless pumps.

**Exclusive reverse vane impeller** provides constant inner bearing lubrication, predictable thrust characteristics, and the lowest average NPSHR.

**Guardian**

- ANSI B73.1M dimensions
- HI 5.1-5.6, 1992 standards
- 18 sizes
- Motor sizes to 125 hp (93 kW) at 60 Hz

**Capacities**

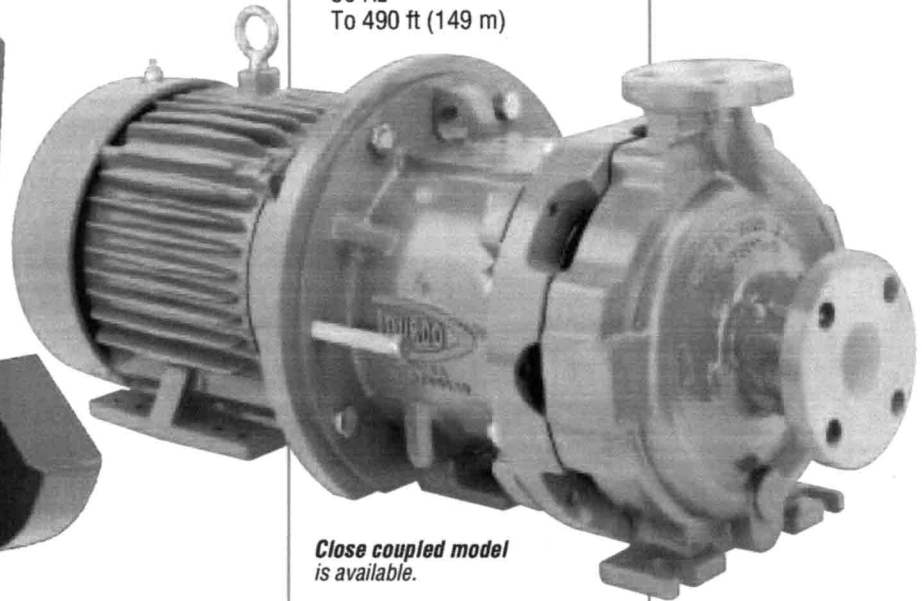
- 60 Hz  
To 1650 gpm (375 m<sup>3</sup>/h)
- 50 Hz  
To 1375 gpm (312 m<sup>3</sup>/h)

**Heads**

- 60 Hz  
To 705 ft (215 m)
- 50 Hz  
To 490 ft (149 m)

**Chemstar MD**

- ISO 2858 dimensions
  - 17 sizes
  - Motor sizes to 75 kW (100 hp) at 50 Hz
- Capacities**
- 50 Hz  
To 275 m<sup>3</sup>/h (1210 gpm)
- Heads**
- 50 Hz  
To 150 m (492 ft)



*Close coupled model is available.*

**Materials Availability**

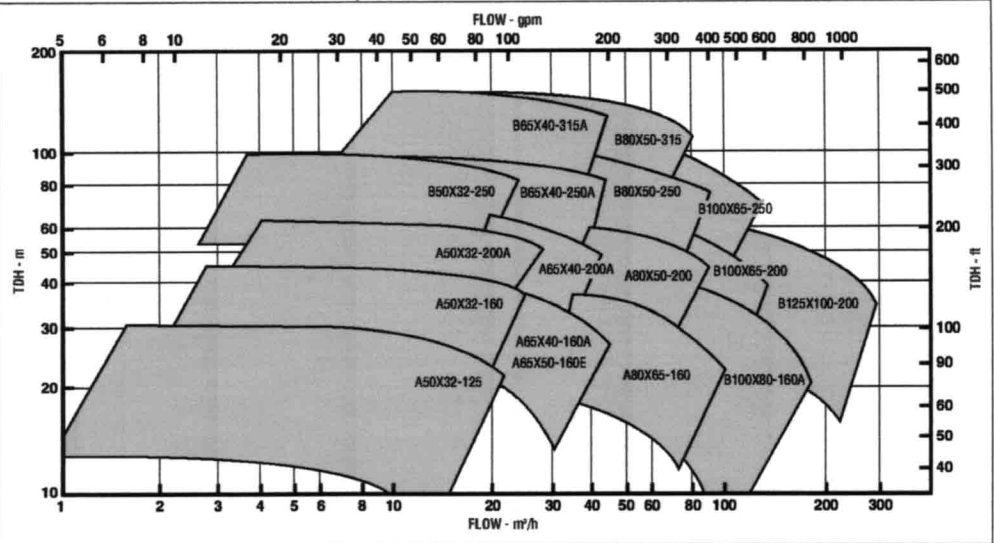
G&H Series magnetic drive pumps are available in a wide range of materials.

Guardian ANSI Alloy Code	Specification	Chemstar MD ISO Alloy Code X	Specification X
D4 (316SS)	ASTM A744, Gr. CF-8M	4408	DIN 17445, WN 1.4408
D20 (Alloy 20)	ASTM A744, Gr. CN-7M	CN7M	ASTM A744, Gr. CN-7M
DC3 (Hastelloy C)	ASTM A494, Gr. CW-6M	CW6M	ASTM A494, Gr. CW-6M

Alternate materials of construction such as titanium and Hastelloy B-2 can be supplied for special application needs.

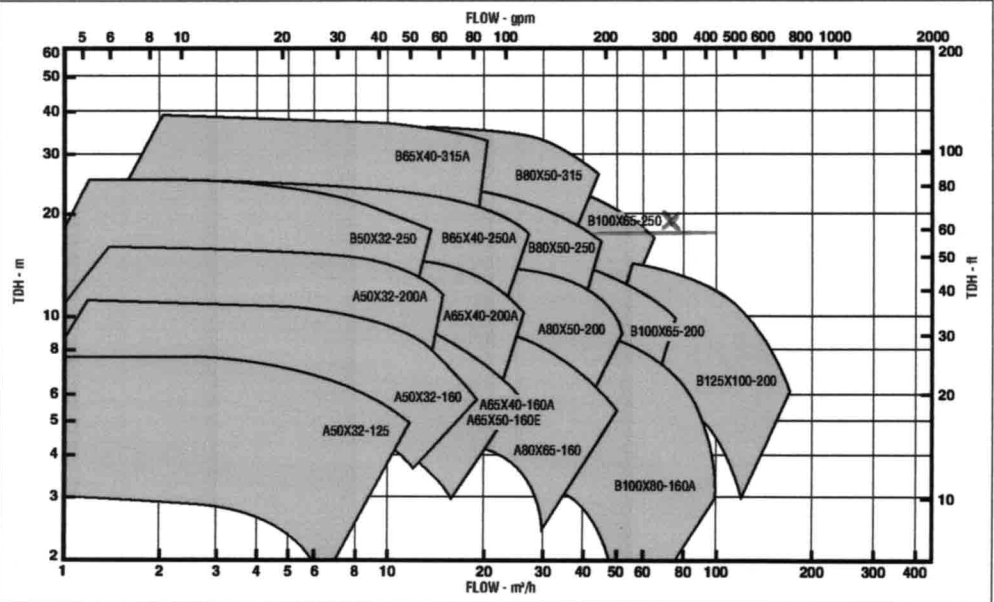
**Durco  
Chemstar MD  
Performance  
Curves**

**Chemstar MD Group A & B**  
2900 rpm (50 Hz)



**ISO**

**Chemstar MD Group A & B**  
1450 rpm (50 Hz)



**Durco  
G&H Series  
Interchangeability**

**ANSI**

**ISO**

