



MATERIALS of CONSTRUCTION

Pub # 2802-22
 Effective Feb 15, 2022
 Replaces Nov 3, 2020

Model: R75 R77 R80 R82

CAT #	DESCRIPTION	STANDARD MATERIALS
1	Body	Ductile Iron ASTM A536
2	Cover	Ductile Iron ASTM A536
	Bearing Housing	Ductile Iron ASTM A536
3	Impeller	Ni Resist
4	O-Ring Cover	Fluoroelastomer (FKM)
8	Impeller Key	Key Steel
21	Shaft	Carbon Steel
23	Ball Bearing	Commercial
24	Ball Bearing	Commercial
25	Ball Bearing Circlip	Spring Steel
33	Oil Seal	Nitrile (NBR)
56	Mechanical Seal Assembly	Carbon/Silicon Carbide/Fluoroelastomer (FKM)
57	Mechanical Seal Cartridge	Ductile Iron ASTM A536
57B	Primary Seal O'Ring Cartridge	Fluoroelastomer (FKM)
57C	Secondary Seal O'Ring Cartridge	Fluoroelastomer (FKM)
58	Mechanical Seal Circlip	Spring Steel

CONNECTIONS

	R75/ R77	R80/ R82
Inlet Port	DN80 (3") NPT/ANSI Class 300 Raised Face	DN80 (3") NPT/ANSI Class 300 Raised Face
Alternate Inlet Port	2" Flanged. (2" NPT adaptor available)	
Outlet Ports	2" Flanged. (2" NPT adaptor available)	DN80 (3") NPT/ANSI Class 300 RF
Gauge Ports	1/4" NPT	1/4" NPT

OPERATING LIMITS

Maximum Differential Pressure	14 Bar
Maximum Working Pressure	30 Bar
Hydrostatic Test Pressure	70 Bar
Minimum Temperature	-40 °C
Maximum Temperature	* 60 °C For operating temps higher than 60° C consult Ebsray
Maximum Speed	3500 rpm