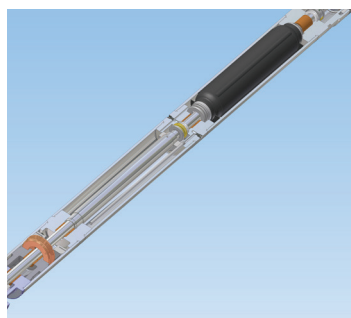


Seal Section

Every seal section contains multiple redundant barrier chambers to enhance reliability. Barrier chambers are available in labyrinth and bag types. Shaft of protector usually uses Monel-k500 material. There are six mechanical face seals on it. Thrust bearing used in seal section has high wearing capacity. CNPC can offer different types and series seal section to adapt individual well conditions.

Product Features:

- Prevents well fluids from entering the motor;
- Provides a reservoir for motor oil expansion and contraction caused by temperature and pressure changes;
- Equalizes the internal pressure of the motor with the pressure in the well annulus;
- Absorbs the pump shaft thrust on the seal thrust bearing.
- The temperature type have 120°C and 150°C.



Table

Casing	Series	Type	Configuration	length (m)	OD (mm)	Application Temperature
4-1/2 "Or Large	86	QYH86J	Elastomeric Bag/Labyrinth	1.6	86	90/120°C
4-1/2 "Or Large	86	QYH86J2	Double Elastomeric Bag/Labyrinth	2	86	90/120°C
5-1/2 "Or Large	98	QYH98RC	Labyrinth	1.6	98	90/120/150°C
5-1/2 "Or Large	98	QYH98J	Elastomeric Bag/Labyrinth	1.7	98	90/120/150°C
5-1/2 "Or Large	101	QYH101J	Elastomeric Bag/Labyrinth	1.7	101	90/120/150°C
5-1/2 "Or Large	101	QYH101ZH	Modular Design	1.8	101	90/120/150°C
7"Or Large	130	QYH130C	Labyrinth	1.9	130	90/120/150°C
7"Or Large	130	QYH130J	Elastomeric Bag/Labyrinth	1.9	130	90/120/150°C
7"Or Large	143	QYH143C	Labyrinth	1.9	143	90/120/150°C
7"Or Large	143	QYH143J	Elastomeric Bag/Labyrinth	1.9	143	90/120/150°C
7"Or Large	130	QYH130	Modular Design	3	130	90/120/150°C
7"Or Large	143	QYH143	Modular Design	3	143	90/120/150°C
8-5/8"Or Large	172	QYH172C	Labyrinth	2.1	172	90/120/150°C
8-5/8"Or Large	172	QYH172J	Elastomeric Bag/Labyrinth	2.1	172	90/120/150°C
8-5/8"Or Large	172	QYH172J2	Double Elastomeric Bag/Labyrinth	2.1	172	90/120/150°C