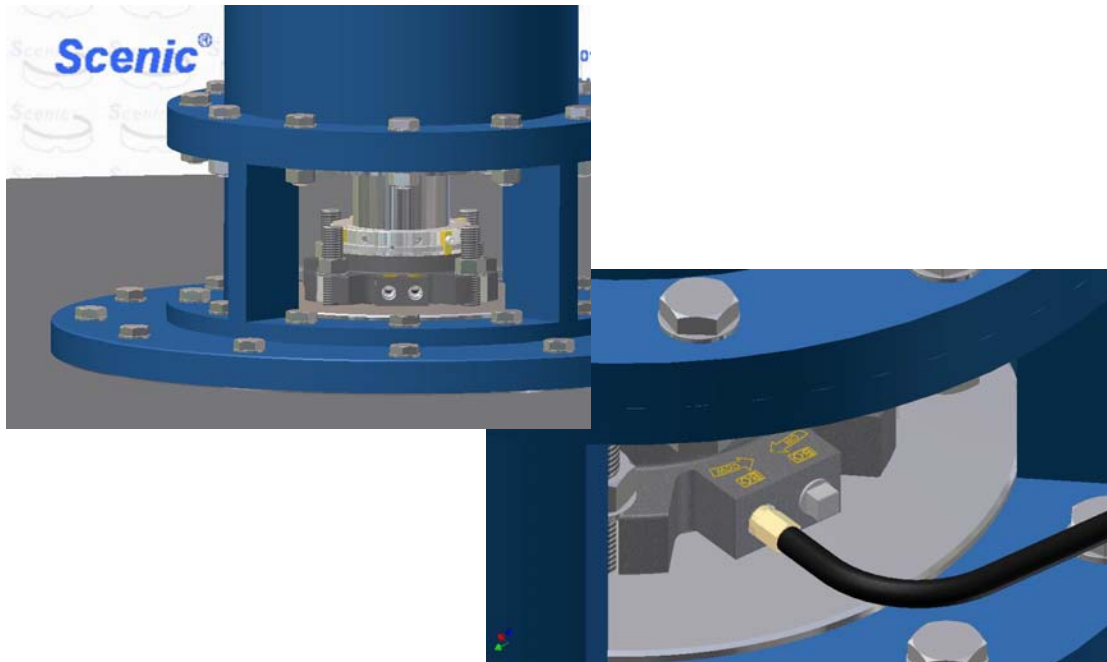




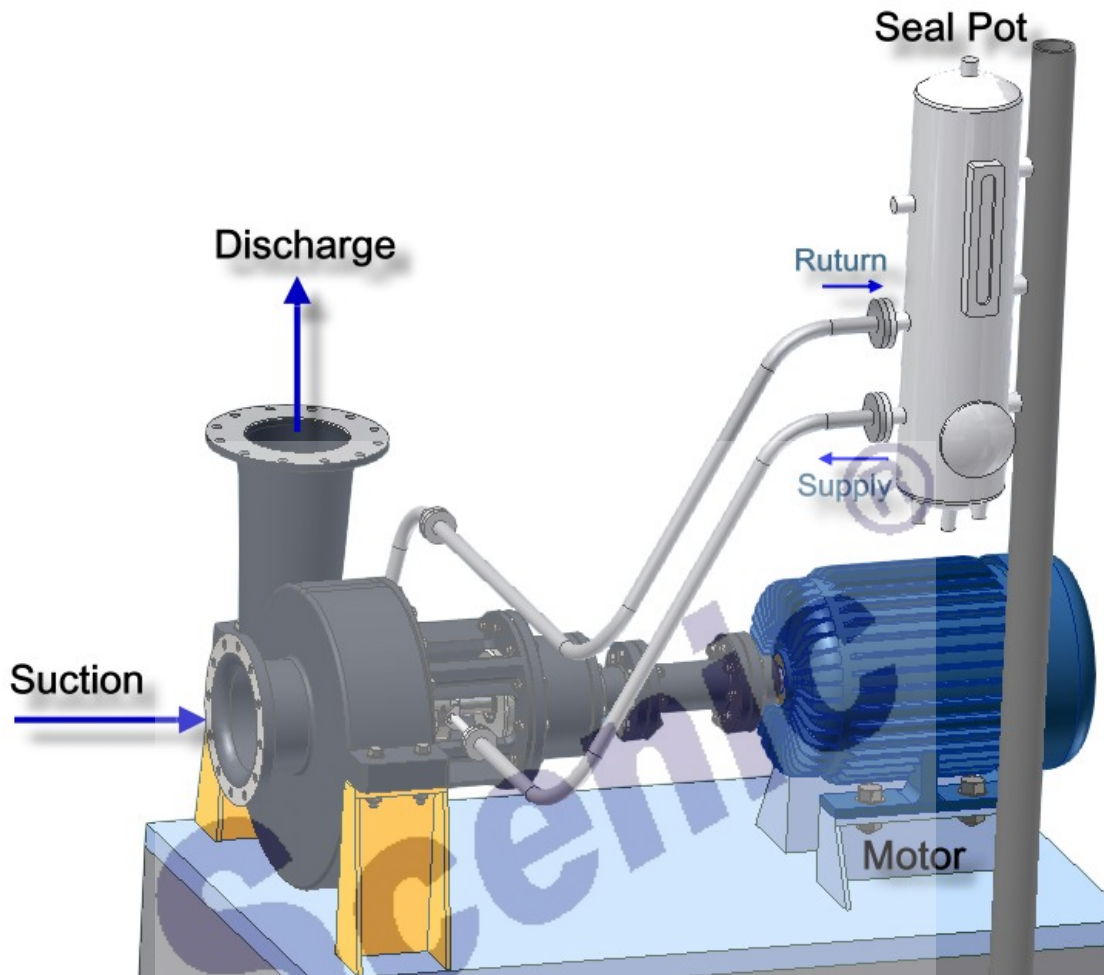
SCENIC PRECISE ELEMENT INC.

Typical Installation of a Barrier/Buffer Fluid Reservoir



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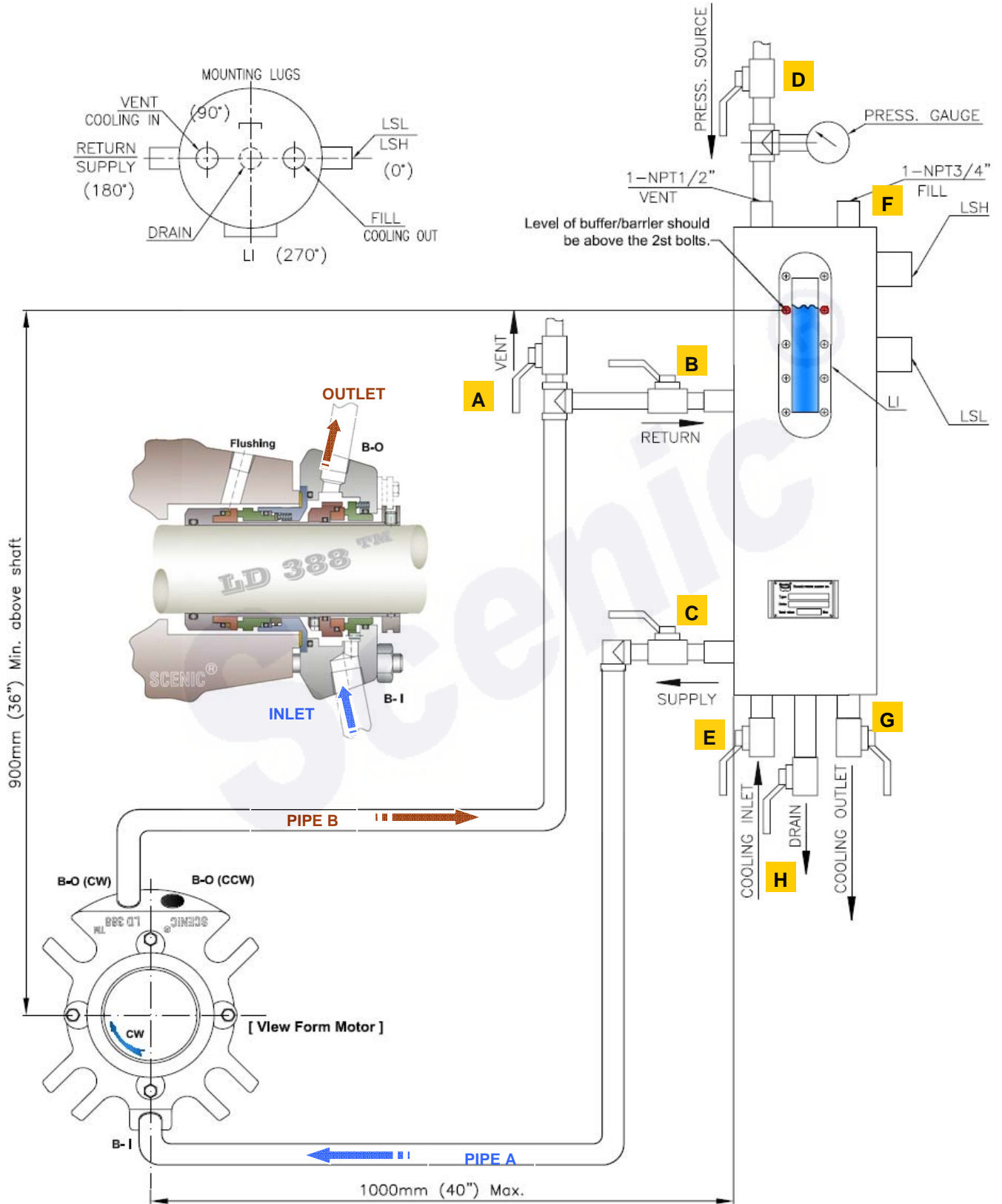
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□ Installation Steps

1. Read and understand these instructions fully before starting.
2. Complete the installation of the Cartridge Seal, please refer to the "Cartridge Seal Installation" for complete instructions.
3. Mount the Seal Pot according to the recommend distance and height from the mechanical seal according the Piping Layout Chart on page 3, install all necessary accessories on the Seal Pot, install pipe to and from Seal Pot toward mechanical seal.

Piping Layout



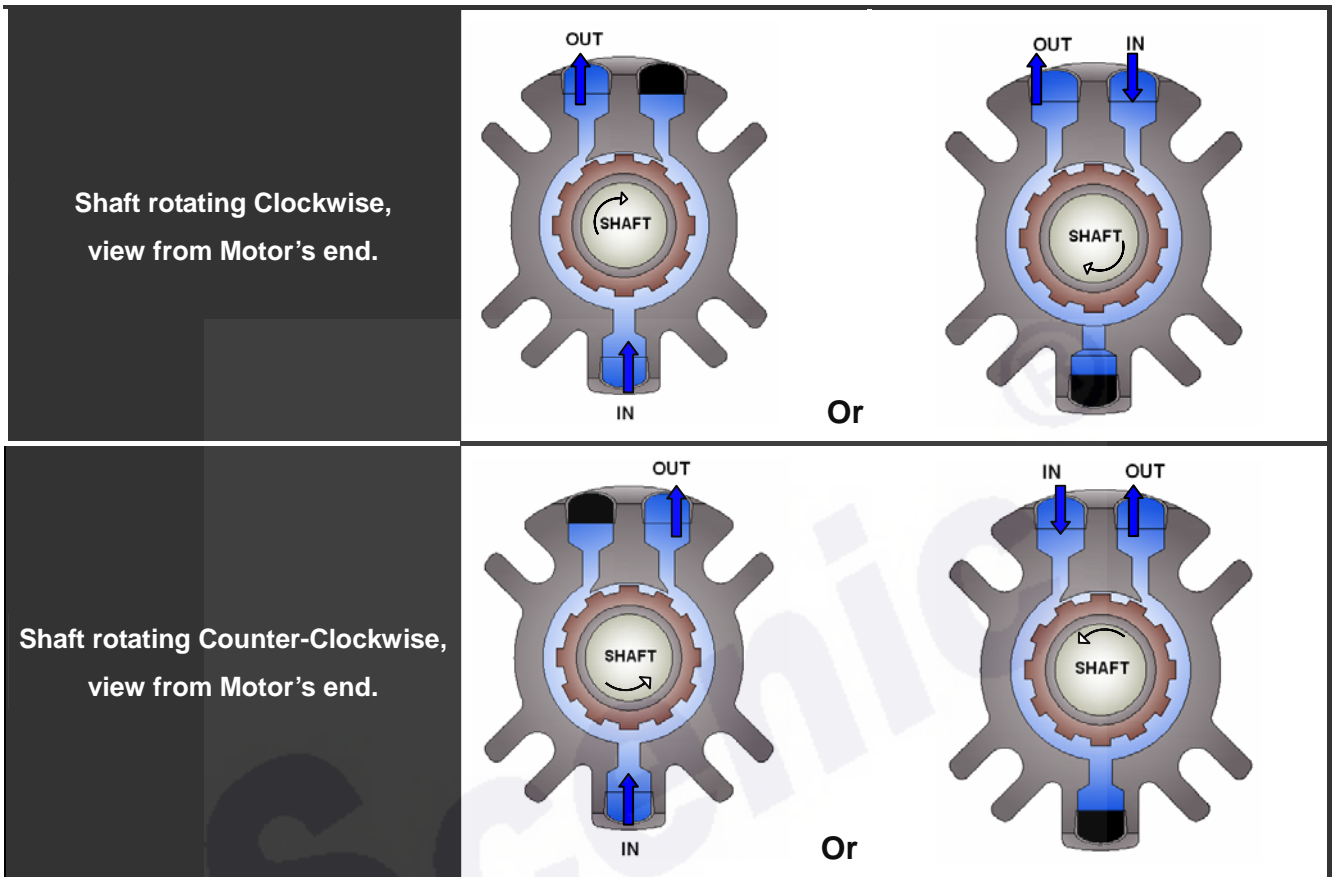
ACCESSORIES

LSH=LEVEL SWITCH HIGH (Explosion proof: Ex d IIB T4)

LSL=LEVEL SWITCH LOW (Explosion proof: Ex d IIB T4)

LI=LEVEL INDICATOR

4. Connect **Pipe A** to the seal's Inlet Port, **Pipe B** to the seal's Outlet Port, plug the unused port on the seal, if space allows, connect both pipes to the ports on the same side of the seal. (Illustration below is applicable for LD-388™ and MGS 2000™ cartridge seal).



5. On the Seal Pot, close **valve D** and **H**, open **valve A, B** and **C**, fill the Seal Pot with barrier fluid from **valve F** until the barrier fluid start to overflow from **valve A**, a recommend barrier fluid level is the fluid at the same level as level indicator's second bolt from the top.
6. Close **valve A** and **F**.
7. Open **valve E** and **G**, connect coolant supply to valve **E** and return lines to valve **G**, incorrect coolant hookup will result in less than optimum cooling effect.
8. If Seal Pot requires to be pressurized, connect pressure line to **valve D**.

Note

- For tubing, use smooth, long radius. For piping, minimize the used of 90° elbows, 45° elbows are recommended.
- All lines shall be slope up from the gland to the high point vent; the slope shall be at least 40 mm/m (0.5 in/ft)
- The seal flush cooler shall be located as close to the pump as possible while leaving sufficient room for operation and maintenance. It should not be located directly above the pump. Hot lines should be insulated as necessary for safety.

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