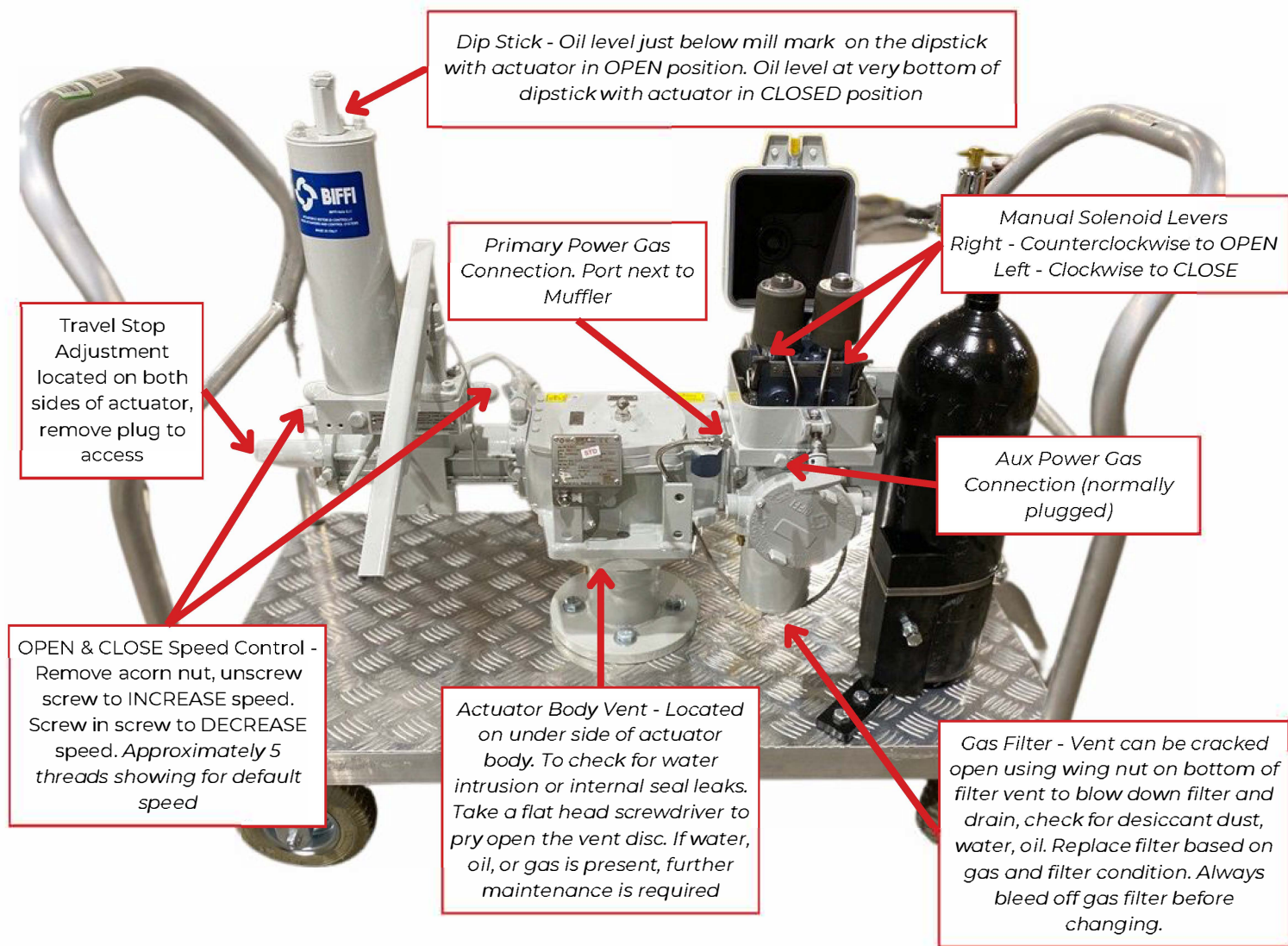




## BIFFI GIG ACTUATOR BASICS

*For Reference Only - please consult actuator maintenance manual for detailed instructions. Always follow safety procedures. For actuators set up as clockwise to CLOSE. For assistance or parts, please contact VRC Protx.*



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# ACTUATOR MAINTENANCE

## Biffi GIG 2-Year Maintenance Checklist:

- Check that the actuator operates the valve correctly and with the required operating times. If the actuator operation is very infrequent, carry out a few opening and closing operations with all the existing controls (remote control, local control, emergency controls, etc.), if this is allowed by the conditions of the plant.
- Visually inspect for damage, hydraulic, or pneumatic leaks.
- Check muffler/bug screen for debris and damage.
- Check oil level with the dip stick on the manual hand pump.
- Check the actuator body vent for water, oil, and/or gas.
- Replace supply gas filter (Mechanical filter separator recommended for high vibration service)
- If there is an oil filter on the actuator, bleed any water accumulated in the cup by opening the drain cock. Disassemble the cup periodically and wash it with soap and water; disassemble the filter: if this is made of a sintered cartridge, wash it with nitrate solvent and blow through with oil. If the filter is made of cellulose, it must be replaced when clogged.

## Biffi GIG Recommended

### Spare Parts:

1. Biffi Gas Filter Kit
2. Biffi Handpump Seal Kit
3. Hydraulic Fluid

Biffi GIG Recommended Hydraulic Fluid	
Standard temperature conditions (-30 °C/+85 °C):	
AGIP ARNICA 22	
SHELL TELLUS PLUS 22	
CHEVRON HYDRAULIC OIL AW ISO 22	
MOBILE DTE22	
EXXON UNIVIS N22	
EQUIVIS 2S22	
BP ENERGOL HLP-HM22	
CASTROL DYSPIN AWS22	
Low Temperature conditions (down to -46°C):	
SHELL AEROSHELL FLUID 41	
Low Temperature conditions (down to -60°C):	
SYTESIS SYNTRASS-CS 500	

## Biffi Actuators & Controls



Factory Certified Control Modification Center



Factory Certified Service Centers



Factory OEM Parts

## Shafer Actuators & Controls



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## Auma Electric Actuators



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