Operating Instruction Manual

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.

Booster Grease Control Valve with Pressure Release

Description
Designed for every-day lubrication of equipment and machines that are equipped with grease fittings. Ideal for unblocking frozen / clogged fittings.

Specifications

<table>
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<tr>
<th>Grease Inlet Pressure</th>
<th>Pressure Boost</th>
<th>Pressure Release</th>
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<tbody>
<tr>
<td>6000 PSI (413 BAR)</td>
<td>Upto 10,000 PSI (689 BAR)</td>
<td>Included</td>
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</table>

Diagram showing parts of the Booster Grease Control Valve with Pressure Release, including Valve Body, Valve inlet, Grub Screw, Top Nut, Valve Outlet, Pressure Release Switch, Steel Tube, and Coupler.
General Safety Information
Always wear safety glasses when using a grease control valve. Keep work area clean and remove any excess grease from tools, hands, and clothing after use.

⚠️ CAUTION ⚠️ Excess grease, if left on floors, tools, or equipment, can create surfaces that become slippery.

GETTING READY TO USE THE GREASE CONTROL VALVE:

FUNCTION:
The Grease Control valve provides positive control of High Pressure Lubricants. The valve is designed for use with Air Operated Grease Pumps. When the air motor of the grease pump is supplied with compressed air, the pump starts operating with the handle of the control valve pressed. The pump will stop with the control handle released. The control valve provides continuous grease flow with the handle fully pressed. The Control valve can be used up-to a maximum inlet grease pressure of 6000 PSI & has a pressure boost ability to increase outlet grease pressure to upto 10,000 PSI. Pressure boost is achieved through repeated actuation of the control valve handle & very useful to open frozen / clogged grease fittings. The valve outlet has a Pressure Release Valve built into it. Opening the valve helps release high pressure from the grease coupler, thereby making it easy to dis-connect the coupler from the fitting.

⚠️ CAUTION ⚠️ Do not exceed maximum working pressure of the lowest rated component. The control valve has a 6000 PSI maximum inlet grease pressure

INSTALLATION:
1. Connect the Steel Tube and coupler onto the valve outlet. The connection between the extension and the valve outlet must be tight. Use thread sealant to ensure a leak-proof joint.
2. Make sure that The Pressure Release Switch on the outlet is in the closed position
3. Now connect the outlet grease hose from the air operated grease pump to the inlet end of the control valve. Inlet is threaded ¼” NPT (F). Make sure that the hose from the grease pump has ¼” NPT (M) threads or else use an adaptor to match the two threads. Use thread sealant to ensure a leak-proof joint.

OPERATION:
1. Turn Off the Air Supply to the Pump.
2. Press the Control Handle, with the valve facing into a waste container to relieve pressure
3. Turn the Air Supply On & the valve is ready for use.
4. Keeping control handle pressed will allow continuous flow of grease at the same pressure as the grease inlet pressure into the valve. Inorder to boost pressure above the line pressure, press the control handle repeatedly.

⚠️ CAUTION ⚠️ Never point the control valve at anyone or at any part of the body. The gun dispenses grease at very high pressures, resulting in skin injection.

Never put your hand or fingers over the coupler or the Pressure Release Switch.

Never stop or deflect leaks with your hand, body, glove or rag

Tighten all fluid connections before operating the equipment

Do not alter or modify this equipment

When not in use, always turn off the air supply to the grease pump.

GREASING A GREASE FITTING / GREASE NIPPLE:
The grease coupler provided at the end of the control valve Steel tube has a jaw type construction. The coupler jaws will snap on to a grease fitting and maintain a tight fit. When connecting the coupler to the grease fitting, press the coupler straight onto the grease fitting to form a snug fit. Start operating the control valve with the coupler as square to the grease fitting as possible. Once greasing is completed, release the control handle, open the Pressure release switch to release the high pressure grease, slightly tilt the coupler, twist and pull back. The tilt and twist action will allow easy removal of the coupler from the grease fitting.
⚠️ CAUTION ⚠️ Note that this is a continuous flow valve & will keep dispensing grease till the handle is pressed. Be careful not to over lubricate!

MAINTENANCE:
Grease Control Valve should be kept clean and checked for damage before each use. Control valve does not have any filters built in, it is therefore important that grease input into the valve is clean & without any impurities. Make sure grease pump has a filter at its inlet. If due to any reason, the valve fails to function, never open the valve. Instead send back to Service Center.

Troubleshooting Chart

<table>
<thead>
<tr>
<th>Symptom (s)</th>
<th>Possible Causes(s)</th>
<th>Corrective Action(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease flows without pressing the</td>
<td>1. Grub Screw on top of the valve has been over-tightened, resulting in permanent opening of the valve</td>
<td>1. Loosen the grub screw by rotating it in the anti-clockwise direction. Tighten the top Nut.</td>
</tr>
<tr>
<td>control handle</td>
<td>2. Damaged Ball</td>
<td>2. Send back the unit for replacement with a new ball</td>
</tr>
<tr>
<td>No Grease flow when Control</td>
<td>1. Grub Screw on top of the valve may have become loose</td>
<td>1. Loosen the Top Nut &amp; tighten the grub screw by rotating it in the clockwise direction</td>
</tr>
<tr>
<td>handle is pressed</td>
<td>2. Valve may be blocked due to impurities in grease</td>
<td>2. Remove the hose from valve inlet &amp; clean the valve using compressed air</td>
</tr>
<tr>
<td>Grease leaking from top of the</td>
<td>1. Worn seal</td>
<td>1. Send back the unit for replacement with a new seal</td>
</tr>
<tr>
<td>valve</td>
<td></td>
<td></td>
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