



## FAULT-TRACING SCHEME

This fault-tracing scheme is primarily intended to serve as a guide during servicing. It contains probable faults and remedies aimed at facilitating servicing work.

<b>FAULT</b>	<b>PROBABLE REASONS</b>	<b>REMEDIES</b>
<b>First stage valve connection leaks</b>	Connections not tightened	Tighten up
	O-rings or sealing surface defective	Replace o-rings. Replace defective parts
<b>First stage secondary side leaks</b>	The cover is not tightened	Tighten up
	Diaphragm defective	Replace diaphragm
<b>Safety valve activates</b>	O-ring defective or not lubricated	Replace o-ring and lubricate
	First stage leaks or is adjusted to high	Repair first stage  Adjust secondary pressure
	Sealing surface defective	Replace low pressure valve housing or low pressure hose
<b>Second stage valve takes in water</b>	Diaphragm defective	Replace diaphragm
	Mouth-piece cracked	Replace mouth-piece
	O-ring not fitted or defective	Fit or replace o-ring
	Foreign object under exhalation diaphragm	Clean



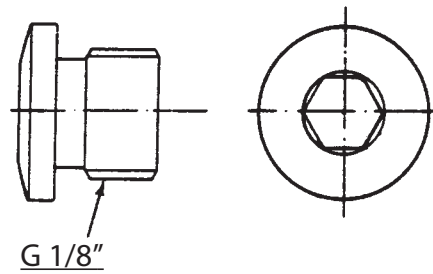
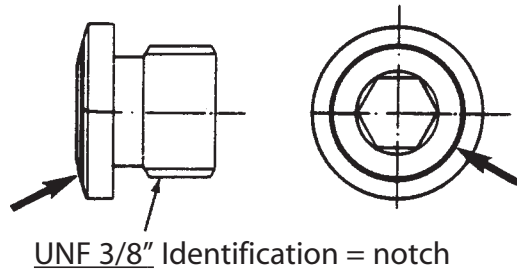
<b>FAULT</b>	<b>PROBABLE REASONS</b>	<b>REMEDIES</b>
<i>(from the foregoing page)</i>		
<b>Second stage valve takes in water</b>	The switch defective	Replace the switch
	The o-ring under the switch is defective	Replace the o-ring.
<b>Second stage valve leaks air (regulator freeflows)</b>	Servo valve leaks	Replace servo valve
	Sleeve in low pressure valve defective	Replace valve insert
	Filter in valve insert is clogged	Replace valve insert
	Valve tube incorrectly adjusted	Adjust
	Purge button deformed	Replace purge button
<b>Second stage valve inhalation resistance too high</b>	Valve needle in servo valve defective	Replace servo valve
	Diaphragm defective	Replace diaphragm
	Valve tube incorrectly adjusted	Adjust



<b>FAULT</b>	<b>PROBABLE REASONS</b>	<b>REMEDIES</b>
<i>(from the foregoing page)</i>		
<b>Second stage valve provides no air when purge button is activated</b>	Valve tube incorrectly adjusted	Adjusted
	Spring in purge button defective	Replace purge button
<b>Exhalation resistance too high</b>	Diaphragm. stuck	Clean or replace diaphragm
<b>Air flow restricted</b>	Filter in first stage valve clogged	Replace filter
	Low pressure from first stage	Adjust pressure
<b>Inhalation resistance is not altered when the switch is set at minus</b>	Diaphragm cam is deformed or wrongly fitted	Fit a new switch



## BLIND SCREWS WITH DIFFERENT THREADS



## LOW PRESSURE HOSE WITH DIFFERENT THREADS

