

# DURA BACKFLOW PREVENTION DEVICE TEST KIT



## SERVICE

For all after sales assistance please call Reece After Sales on 1800 080 055.

For annual recalibration please return your test kit to your nearest Reece Plumbing Centre.

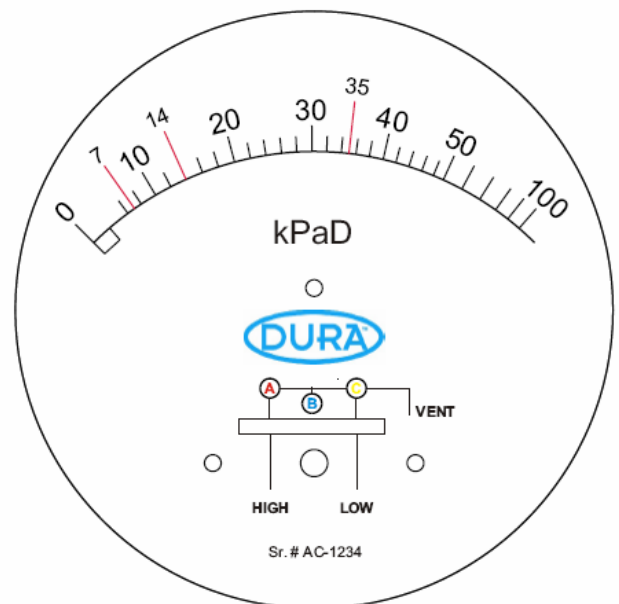
## DURA BACKFLOW PREVENTION DEVICE TEST KIT

### IMPORTANT NOTES TO FOLLOW:

1. Always Flush Pipes Before Connecting Test Equipment
2. Remove All Hoses And Leave Valves Open On Test Kit When Not In Use
3. This Test Kit Must Be Calibrated Annually In Accordance With Australian Standard AS2845.3 – 1993

### KIT INCLUDES:

- 1 X Dura Differential Pressure Gauge
- 1 X **Red** High Pressure Test Hose
- 1 X **Blue** High Pressure Test Hose
- 1 X **Yellow** High Pressure Test Hose
- 3 X Knurled Test Nipples 6mm
- 3 X Knurled Test Nipples 3mm
- 3 X Knurled Test Nipples 15mm
- 3 X Screwed Bushes 20mm X 15mm
- 1 X Plastic Carry Box



## WARRANTY

You have purchased a quality product from Reece Australia. This product is covered by a 12-month manufacturers warranty. This warranty covers faults in the product construction, material, and assembly.

Faulty products will be repaired or exchanged free of charge during the period of the warranty.

This warranty does not include faults caused by:

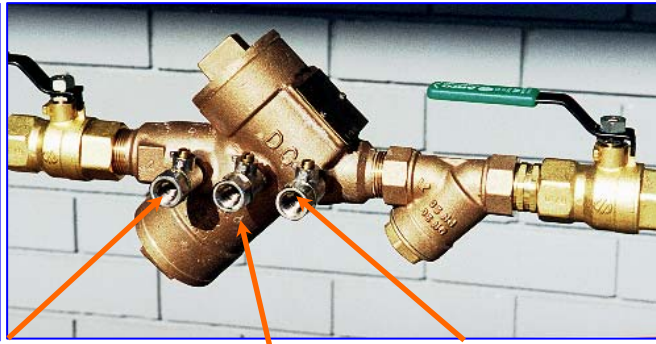
- Unsuitable Or Improper Use
- Normal Wear And Tear
- Inadequate Or Complete Lack Of Maintenance
- Chemical, Electrochemical Or Electrical Influences

## DOUBLE CHECK VALVE TEST PROCEDURES

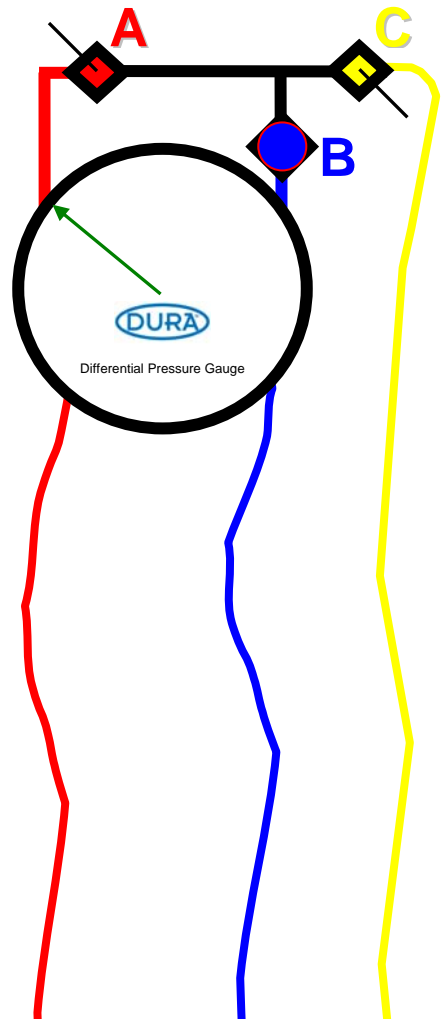
- **TURN OFF DOWNSTREAM ISOLATING VALVE**
- **FLUSH THE STRAINER**

Bleed the test cocks on the device before connecting any test equipment.

Bleed the air out of the test equipment before starting the test procedure.



**TEST COCK 3      TEST COCK 2      TEST COCK 1**



<b>TEST No. 1 – (No. 1 Check “Static Differential”)</b>				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
<b>High</b>	<b>1</b>	<b>1st</b> Open	<b>A</b>	<b>3rd</b> Open/Close
<b>Low</b>	<b>2</b>	<b>2nd</b> Open	<b>B</b>	<b>4th</b> Open/Close-slow
<b>Vent</b>	NOT CONNECTED		<b>C</b>	Open
<b>(Test Result = 1st Check Valve – 7 kPa minimum)</b>				

<b>TEST No. 2 – (No. 2 Check “Static Differential”)</b>				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
<b>High</b>	<b>2</b>	<b>1st</b> Open	<b>A</b>	<b>3rd</b> Open/Close
<b>Low</b>	<b>3</b>	<b>2nd</b> Open	<b>B</b>	<b>4th</b> Open/Close-slow
<b>Vent</b>	None	Closed	<b>C</b>	Open
<b>(Test Result = 2nd Check Valve – 7 kPa minimum)</b>				

<b>TEST No. 3 – (downstream isolating valve for tightness)</b>				
<b>Note – Repeat Test 1, connect <i>Vent</i> to Test Cock 3 and then:</b>				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
<b>High</b>	<b>1</b>	<b>3rd</b> Close	<b>A</b>	<b>2nd</b> Open
<b>Low</b>	<b>2</b>	Open	<b>B</b>	Open
<b>Vent</b>	<b>3</b>	<b>1st</b> Open (slowly)	<b>C</b>	Closed
<b>(Test Result = Pressure Holds - Downstream Shut-off Valve is tight)</b>				



Setting up Test 1 on a Febco DCV

(Nb. Hose colours vary, depending on manufacturer.)

Max. Working Temp 60°C  
Min. Working Temp 1°C

Max. Working Pressure 15-50mm  
Max. Working Pressure 65-250mm  
Min. Working Pressure

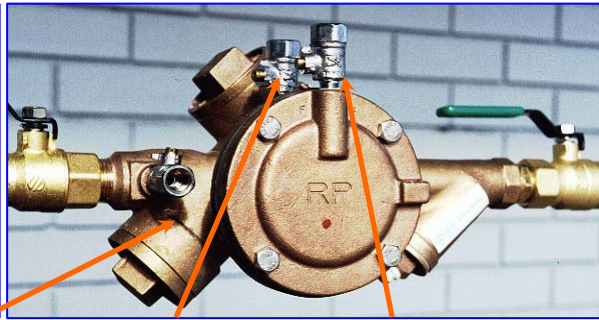
2000 kPa  
1400 kPa  
250 kPa

# REDUCED PRESSURE ZONE TEST PROCEDURES

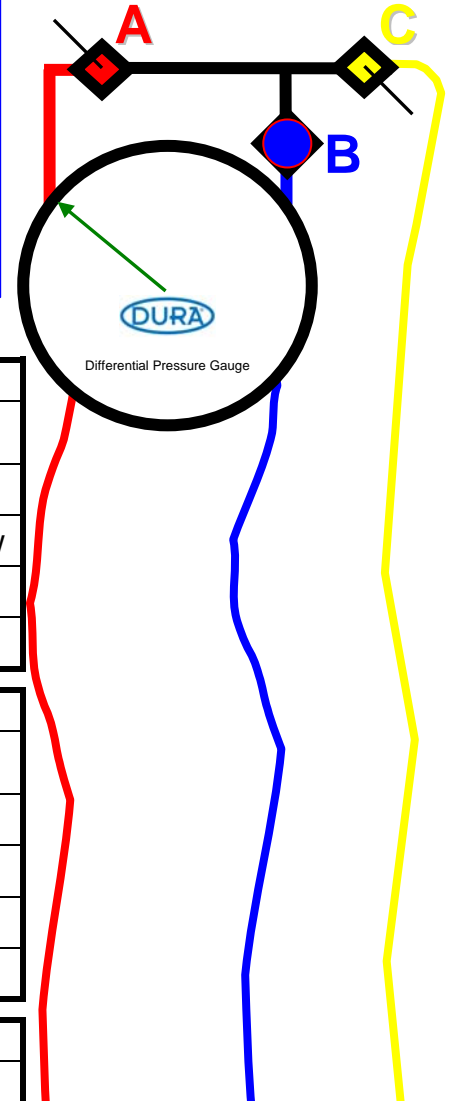
- TURN OFF DOWNSTREAM ISOLATING VALVE
- FLUSH THE STRAINER

Bleed the test cocks on the device before connecting any test equipment.

Bleed the air out of the test equipment before starting the test procedure.



TEST COCK 3      TEST COCK 2      TEST COCK 1



TEST No. 1 – (No. 1 Check “Static Differential”)				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
High	1	1st Open	A	3rd Open/Close
Low	2	2nd Open	B	4th Open/Close-slow
Vent	NOT CONNECTED		C	Open

(Test Result = 1st Check Valve – 35 kPa minimum)

TEST No. 2 – (No. 2 Check Tightness)				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
High	1	Leave Open	A	2nd Open
Low	2	Leave Open	B	Leave Closed
Vent	3	1st Open	C	Already Open

(Test Result = No Discharge – No. 2 check is tight)

TEST No. 3 – (downstream isolating valve for tightness)				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
High	1	1st Close	A	Leave Open
Low	2	Leave Open	B	Leave Closed
Vent	3	Leave Open	C	Already Open

(Test Result = Pressure Holds - Downstream Shut-off Valve is tight)

TEST No. 4 – (RV Opening Pressure)				
HOSE	TEST COCK	ORDER / POSITION	GAUGE VALVE	ORDER / POSITION
High	1	2nd Open	A	Leave Open
Low	2	Leave Open	B	3rd Open Slowly
Vent	3	Leave Open	C	1st Close

(Test Result = Discharge At Min 14 kPa – Relief Valve is OK)



Setting up Test 2 on a Febco RPZD

(Nb. Hose colours vary, depending on manufacturer.)

Max. Working Temp 60°C  
Min. Working Temp 1°C

Max. Working Pressure 15-50mm  
Max. Working Pressure 65-250mm  
Min. Working Pressure

2000 kPa  
1400 kPa  
250 kPa