



Installation & Operating Manual



Assembly of Gearboxes Suitable for the ART 125 & ART 140

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1. Introduction

The purpose of this document is to provide instructions for assembling gearboxes onto Albion's ART 125 and ART 140 Butterfly Valves.

You will require a 4mm T bar to undertake this assembly.

A complete risk assessment should take place prior to work commencing.

2. Technical data

Valve Type	Size Range	Connection Type	Temperature Rating	Pressure Rating (Max)	Seat	Disc
ART 125 Wafer Type	DN50 – DN300	PN10 / PN16 ASA150	-10°C – 110°C	16 bar	EPDM	SS 316
ART 140 Lugged & Tapped	DN50 – DN300	PN16	-10°C – 110°C	16 bar	EPDM	SS 316

3. Gearbox assembly Instructions

Ensure you have both parts the Butterfly Valve (image 1) and the gearbox (image 2)



Image 1



Image 2

Ensure that both valve and gearbox are set at “position 1” as per image 3



Image 3

Remove lever operation handle from valve as per image 4.

Assemble gearbox to valve by removing and using pre fitted bolts and washers as per image 5.



Image 4



Image 5

Assemble gearbox to valve. Remove both grub screws from gearbox shown in images 6 & 7.



Image 6



Image 7

Loosen both screws which are located under the grub screws so they can be seen. DO NOT remove them. Shown in image 8.



Image 8

Fully Open Position

Fully open the valve to the required amount using the position indicator on top of the gearbox to help give an accurate reading. Shown in image 9.



Image 9

Tighten the left screw until resistance can be felt. Shown in image 10. DO NOT over tighten when the resistance is met.



Image 10

Now the valve cannot be opened any further and is set at the required position.

Fully Closed Position

Close the valve until fully shut. Shown in Image 11.



Image 11

Tighten the right screw until resistance can be felt. Shown in image 12. DO NOT over tighten when the resistance is met.



Image 12

Now the valve cannot be closed any further and is set at the required position.

Re-insert the grub screws and screw until tight shown in images 13 & 14.



Image 13



Image 14

Review the valve in both a fully open and fully closed position to ensure full and correct operation.

The valve is now ready for operation.



About Albion Valves (UK) Ltd

Albion has been supplying valves and fittings to the building services and industrial markets for the past 40 years.

Albion was created with the sole purpose of providing quality products at an affordable price. With a growing reputation for quality and reliability, Albion is now an established brand providing the industry with a trusted alternative to premium-priced products.

Our commitment to setting the highest standards in all areas of our business means, if you're looking for quality, service, delivery and choice — you'll find it's all at Albion.

Quality

Whatever you need, you can rest assured that if it comes from Albion it has been designed and manufactured to deliver optimum performance and is accredited with the necessary approvals. Our in-house quality department are always on hand too!

Service

We pride ourselves on our customer service – we have even won awards for it! Our cradle to grave approach means you will never be on your own!

Delivery

We know that time is money, and when a priority project depends on a part you can trust Albion to deliver – next day for all orders placed before 4:00PM.

Choice

We may have started out with a single brass ball valve, but our range has grown substantially since and we now consider ourselves to be a 'One Stop Shop' with our comprehensive range. It is becoming more and more apparent to the industry, that it really is all at Albion.