FLEXASEAL STYLE 85 VS CHESTERTON 442C™

A COMPARISON GUIDE

INTRODUCTION

The Flexaseal Style 85 and the Chesterton 442C are often presented as options for the same applications.

A key feature of a cartridge mechanical seal is the shaft sleeve that carries, aligns and drives the internal components. The Flexaseal Style 85 is the only patented split seal on the market that incorporates a sleeve and installs as only two component halves. Along with significantly reduced installation time, the exclusive Style 85 design ensures proper alignment of seal components without any additional effort from the installer.
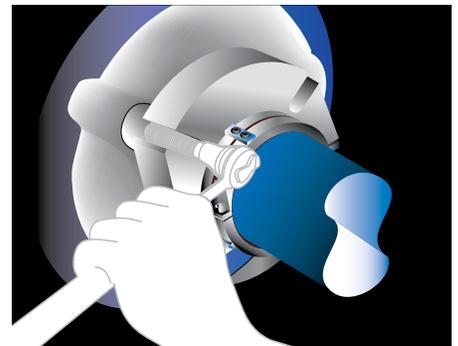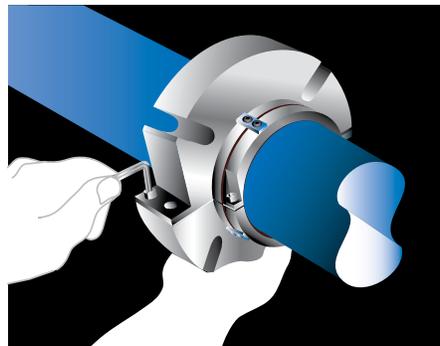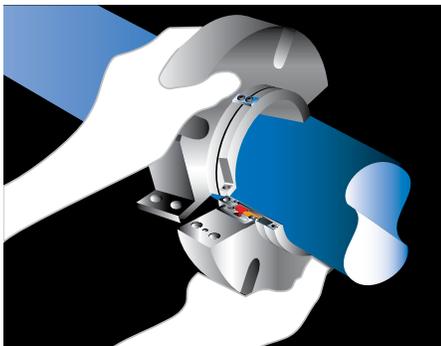
COMPARISON
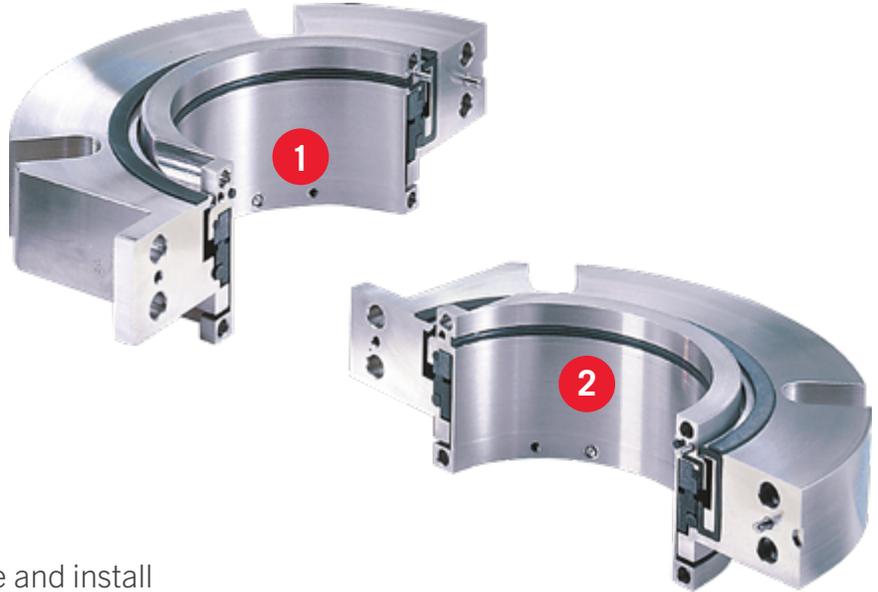
FLEXASEAL STYLE 85

- Fully split cartridge sleeve
- Fully preset and preassembled
- Only two components to handle and install
- Factory pressure integrity test prior to shipment

CHESTERTON 442C™

- No sleeve
- Four separate components needing individual installation
- No final assembly pressure integrity test

COMPARISON DATA

	AW CHESTERTON 442C™	FLEXASEAL STYLE 85
Installation Guide & Steps	**19 Steps** AWC Form No EN14068 Rev 7	**7 Steps** FAS SK1070
Number of Components	19 components, many of which need to be handled by the operator during installation. AWC Form No EN14068 Rev 7: 3.1 Parts Identification, Figure 1 Preparation sections 4.0.3, 4.0.5, 4.0.6-12, Installation sections 5.0.1, 5.0.4, 5.0.6-18	17 component parts which are secured and contained within the seal assembly. Only two self-contained seal halves to handle at installation FAS SK1070: section IV.1
Additional Components Needed for Assembly	• Hex keys • Lubricant • Rotary holder installation spacer • Gland installation tool • Cleaning wipes for seal faces. AWC Form No EN14068 Rev 7: sections 3.1, Figure 2 and 4.2	• Hex keys • Lubricant FAS SK1070: section I
Sealing Integrity	Operator must handle/touch components such as faces and O-rings during installation process, increasing the potential for damage. AWC Form No EN14068 Rev 7 - Preparation sections 4.0.7-10, 12 Installation sections 5.01.1, 5.0.8, 5.0.10-11 In addition, the operator is tasked with ensuring components are properly placed and/or handled during installation. AWC Form No EN14068 Rev 7 -Holder gaskets 4.0.4, Spring lifter 4.0.11,Seal faces 5.0.4, 5.0.8, 5.0.10, 5.0.13, and Gland gasket 5.0.16 **Sealing integrity could be compromised.**	No need to handle faces and O-rings – they are already positioned and secured in the cartridge halves. Assembled and pressure tested at the factory; the seal is intact when it arrives on-site ready for installation. We build the seal so you don't have to! Sealing integrity ensured!
Operator Responsibility	1. Disassembling seal for installation, ensuring all components are in their correct location within the seal. AWC Form No EN14068 Rev 7: sections 4.0.1 - 12 2. Lubricating parts: sections 4.0.4, 4.0.7, 5.0.1, 5.0.10 3. Installation & removal of spacers and guides: sections 4.0.3, 5.0.6, 5.0.9, 5.0.16 4. Cleaning seal faces: 5.0.8, 5.0.11 5. Ensuring all 9 "Caution" and "Important" Installation notes are addressed (see below)	1. Not applicable 2. Lubrication of sleeve O-ring FAS SK1070 section III.A.1 3. Not applicable 4. Not applicable 5. Only 2 notes to address (see below)
Cautions & Important Installation Notes	AWC Form No EN14068 Rev 7 - 4.0.1: Do not glue O-rings or gaskets 4.0.3: Do not push on rotary faces 4.0.4: Set screws may cause damage 5.0.1: Dirt particles on seal faces, do not rotate rotary holder 5.0.2: Do not use rotary holder spacers as handles 5.0.3: Do not rotate rotary holder on the shaft 5.0.4: Do not push directly on seal face 5.0.8: Do not push on seal face 5.0.10: Dirt particles on seal faces **TOTAL: 9**	FAS SK1070 - III.A.1: Do not get lube on split ends of O-rings IV.3: Do not over-tighten gland studs **TOTAL: 2**

SOLVE YOUR
SEALING CHALLENGES

Make the right split seal choice

flexaseal

ENGINEERED SEALS AND SYSTEMS, LLC

www.flexaseal.com / 800-426-3594