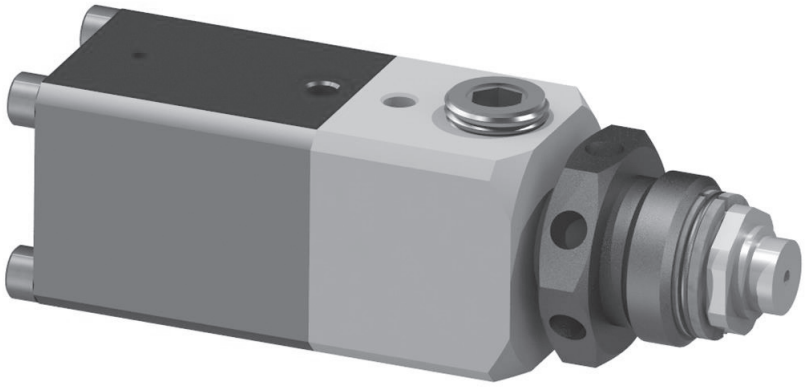
240-2012
HIGH PRESSURE CCV VALVE



SPECIFICATIONS

Maximum air inlet pressure (both models):	7 bar [105 psi]
Air requirements (operating pressure):	4.8-6.9 bar [70-100 psi]
Air inlet connection port:	M5 x 0.8 (f)
Maximum fluid pressure:	207 bar [3000 psi]
Fluid connection ports (2x):	1/4" NPT (f)
Valve actuation speed (ON/OFF cycles):	55 cycles/min

Pressure Drop w/ 70 cP Test Fluid: (Varies w/ material press. and viscosity)	1 PSI press. drop @ 500 PSI and 200 cc/min 7 PSI press. drop @ 500 PSI and 1000 cc/min 43 PSI press. drop @ 500 PSI and 3800 cc/min

⚠ WARNING

Some materials and catalysts are extremely dangerous. Wear proper PPE during installation and maintenance. Consult the material SDS sheet for specific PPE requirements.

⚠ WARNING

Know your operating pressures! Use only Binks hoses and fittings rated for the required operating pressures for use with this product. See maximum air and fluid pressure for each model listed in the specifications.

Product Description / Object of Declaration:	**CCV Valves - CCV-403-SS, CCV-403-SS-E,CCV-503-SS, 240-2012, 240-2012-AC** **EN**
This Product is designed for use with:	**Solvent and Water based materials**
Suitable for use in hazardous area:	**Zone 1 / Zone 2**
Protection Level:	**II 2 G X / Ex h II Gb**
Notified body details and role:	**Element Materials Technology (2812)** **Lodging of Technical file**
This Declaration of conformity / incorporation is issued under the sole responsibility of the manufacturer: **Representative authorised to compile the technical file**	**Carlisle Fluid Technologies UK Ltd,** **Ringwood Road,** **Bournemouth, BH11 9LH. UK** **Sales and Marketing Director. CFT UK Ltd** **1 Avenue de Lattre de Tassigny** **94736 Nogent, Cedex. France**

EU Declaration of Conformity

This Declaration of conformity / incorporation is issued under the sole responsibility of the manufacturer:

Machinery Directive 2006/42/EC
ATEX Directive 2014/34/EU
by complying with the following statutory documents and harmonized standards:
EN ISO 12100:2010 Safety of Machinery - General Principles for Design
EN 1127-1:2019 Explosive atmospheres - Explosion prevention - Basic concepts
EN ISO 80079-36:2016 Explosive Atmospheres- Part 36: Non Electrical equipment for explosive atmospheres-Basic methods and requirements.
EN ISO 80079-37:2016 Explosive Atmospheres- Part 37: Non Electrical equipment for explosive atmospheres - protection by methods "c", "b" and "k".

Providing all conditions of safe use / installation stated within the product manuals have been complied with and also installed in accordance with any applicable local codes of practice.

Signed for and on behalf of Carlisle Fluid Technologies UK Ltd:		F. A. Sutter 12/9/22	Executive President: Engineering and Operations, Scottsdale, AZ, 85254. USA

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Notified body details and role:	**Element Materials Technology (0891)**	
	Lodging of Technical file	
This Declaration of conformity/incorporation is issued under the sole responsibility of the manufacturer:	**Carlisle Fluid Technologies UK Ltd, Ringwood Road, Bournemouth, BH11 9LH. UK**	

UKCA Declaration of Conformity

This Declaration of conformity/incorporation is issued under the sole responsibility of the manufacturer:

Supply of Machinery (Safety) Regulations 2008
Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016 by complying with the following statutory documents and harmonised standards:
BS EN ISO 12100:2010 Safety of Machinery - General Principles for Design
BS EN 1127-1:2019 Explosive atmospheres - Explosion prevention - Basic concepts
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12/9/22

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

⚠ WARNING
Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

⚠ CAUTION
Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTE
Important installation, operation or maintenance information.

⚠ WARNING

Read the following warnings before using this equipment.

READ THE MANUAL
Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.

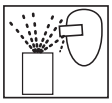
WEAR SAFETY GLASSES
Failure to wear safety glasses with side shields could result in serious eye injury or blindness.

DE-ENERGIZE, DEPRESSURIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE
Failure to De-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.

OPERATOR TRAINING
All personnel must be trained before operating finishing equipment.

EQUIPMENT MISUSE HAZARD
Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.

KEEP EQUIPMENT GUARDS IN PLACE
Do not operate the equipment if the safety devices have been removed.



PROJECTILE HAZARD
You may be injured by venting liquids or gases that are released under pressure, or flying debris.

PINCH POINT HAZARD
Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.

PACEMAKER WARNING
You are in the presence of magnetic fields which may interfere with the operation of certain pacemakers.

AUTOMATIC EQUIPMENT
Automatic equipment may start suddenly without warning.

INSPECT THE EQUIPMENT DAILY
Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.

NEVER MODIFY THE EQUIPMENT
Do not modify the equipment unless the manufacturer provides written approval.

KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY

PRESSURE RELIEF PROCEDURE
Always follow the pressure relief procedure in the equipment instruction manual.

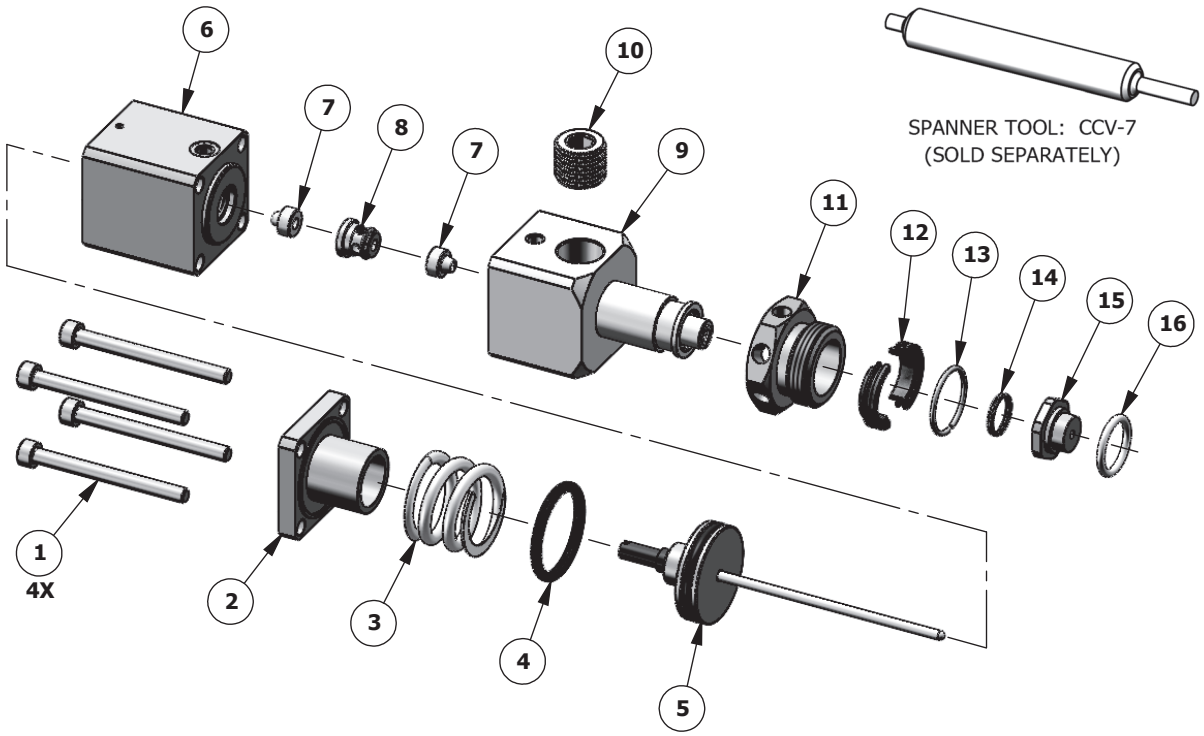
NOISE HAZARD
You may be injured by loud noise. Hearing protection may be required when using this equipment.

HIGH PRESSURE CONSIDERATION
High pressure can cause serious injury. Relieve all pressure before servicing. Spray from the spray gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury.

STATIC CHARGE
Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.
FOR FURTHER SAFETY INFORMATION REGARDING THIS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).

240-2012 HIGH PRESSURE CCV VALVES



PARTS LIST

Item No.	Part No.		Description	Qty.
1	240-2026		M4 x .7 x 45 SHCS SS, 4-PACK	4
2	240-2017		END CAP	1
3	240-2037		RETURN SPRING	1
4	SPA-122X	• ♦	O-RING	1
5	240-2013-K	•	FLUID NEEDLE ASSEMBLY	1
6	240-2016		BODY	1
7	240-2025-K2	♦	NEEDLE SEAL, 2-PACK	1
8	240-2035		SEAL SPACER	1
9	240-2022-1		VALVE HEAD	1

Item No.	Part No.		Description	Qty.
10	SSP-1421		PIPE PLUG, 1/4"	1
11	CCV-13		SPANNER NUT	1
12	240-2030		SPLIT COLLAR	1
13	240-2032		SPRING CLIP	1
14	240-2047	○	HOUSING SEAL	1
15	240-2044-1	○	SEAT ASSEMBLY	1
16	240-2057	○	SEAL	1

The following quantity packs are also available:
240-2057-K5 Seal 5-Pack
240-2032-K5 Spring Clip 5-Pack

Also Available: 240-2056 Seal Tool Kit. See page 5.

Parts are included within the following service kits:
♦ 240-2048 Seal Kit
○ 240-2049 Seat Kit for 240-2012
• Included in 240-2013-K

240-2012 MAINTENANCE

DISASSEMBLY ORDER SHOWN. REVERSE FOR REASSEMBLY.

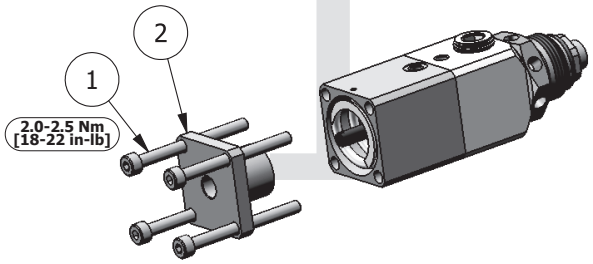
MAINTENANCE SYMBOLS:

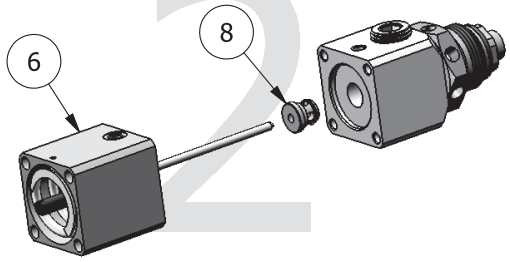
(#) = ITEM NUMBER *(see page 1)*

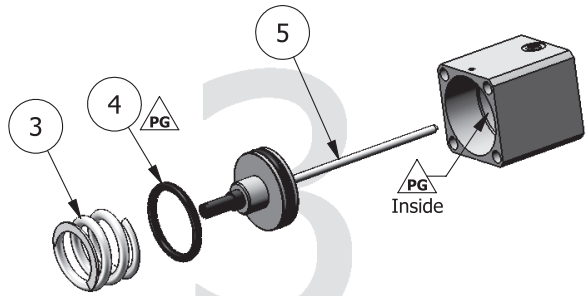
243 = THREAD LOCKER *LOCTITE # or equivalent*

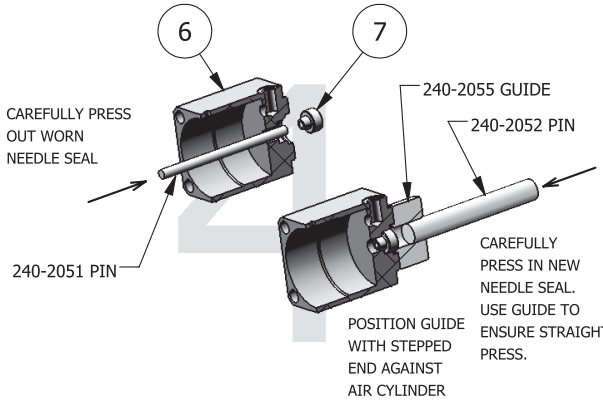
PG = PETROLEUM GREASE/JELLY *Part number = AGMD-010*

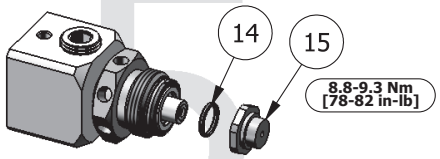
(#) = TORQUE VALUE *Nm [in-lb or ft-lb]*

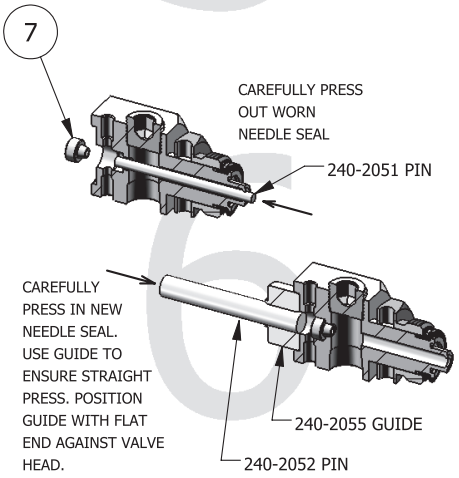


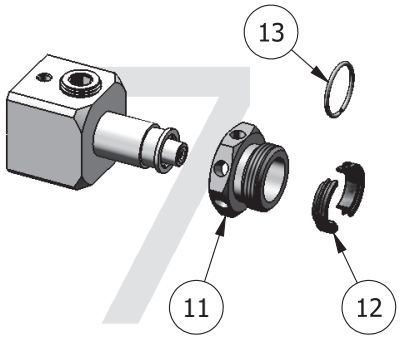












240-2056 SEAL TOOL KIT (See steps 4 & 6)

PART NO	DESCRIPTION	QTY.
240-2051	PIN, REMOVAL	1
240-2052	PIN, INSERTION	1
240-2055	GUIDE	1

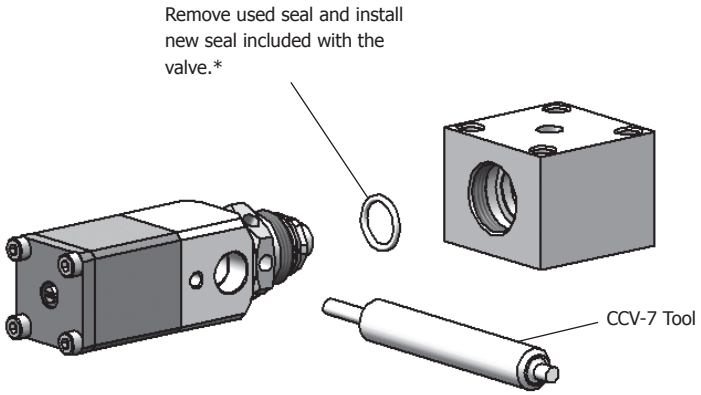
CCV-7 VALVE TOOL

How to install Color Change Valve (CCV) using the CCV-7 Valve Tool

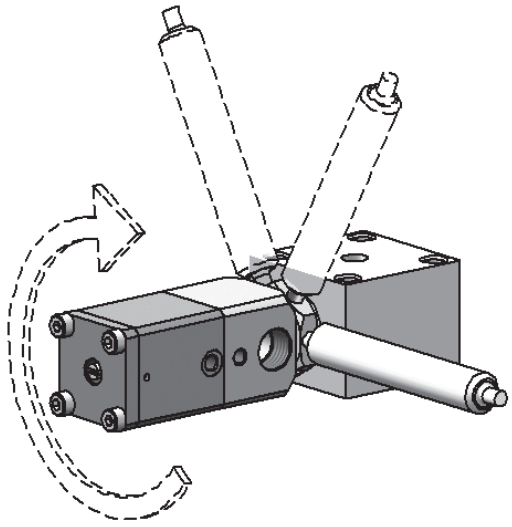
Tighten securely. Test for leaks.

NOTE

A 1-1/16 Wrench may be used to tighten the CCV to the block instead of the CCV-7 Tool.



*Seal also available in 240-2057-K5 quantity pack.



⚠ CAUTION

When installing the CCV valve assembly into a manifold block, DO NOT use pipe sealant or PTFE tape.

The CCV must be supported while tightening fittings into the 1/4 NPT ports. Or, the fittings may be installed prior to assembling the valve to a block or valve stack.

WARRANTY POLICY

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

For technical assistance or to locate an authorized distributor, contact one of our international sales and customer support locations.

Region	Industrial / Automotive	Automotive Refinishing
Americas	Tel: 1-800-992-4657 Fax: 1-888-246-5732	Tel: 1-800-445-3988 Fax: 1-800-445-6643
Europe, Africa, Middle East, India	Tel: +44 (0)1202 571 111 Fax: +44 (0)1202 573 488	
China	Tel: +8621-3373 0108 Fax: +8621-3373 0308	
Japan	Tel: +81 45 785 6421 Fax: +81 45 785 6517	
Australia	Tel: +61 (0) 2 8525 7555 Fax: +61 (0) 2 8525 7575	

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Carlisle Fluid Technologies is a global leader in innovative finishing technologies.
Carlisle Fluid Technologies reserves the right to modify equipment specifications without prior notice.

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