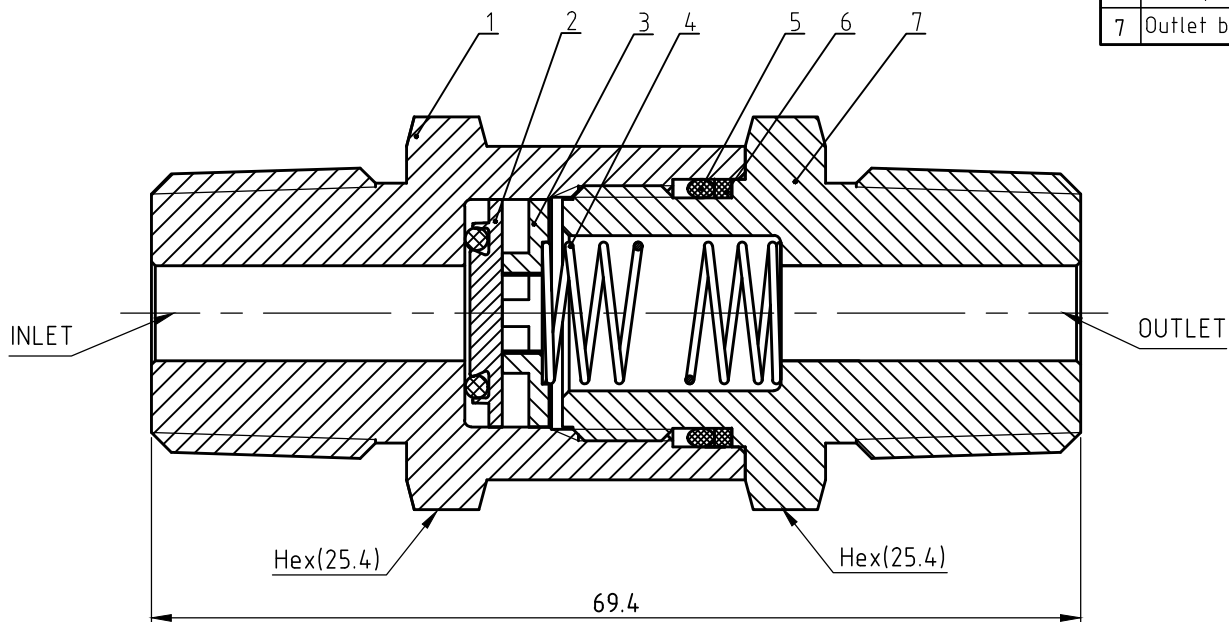


Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	FVMQ - riveted 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FVMQ
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



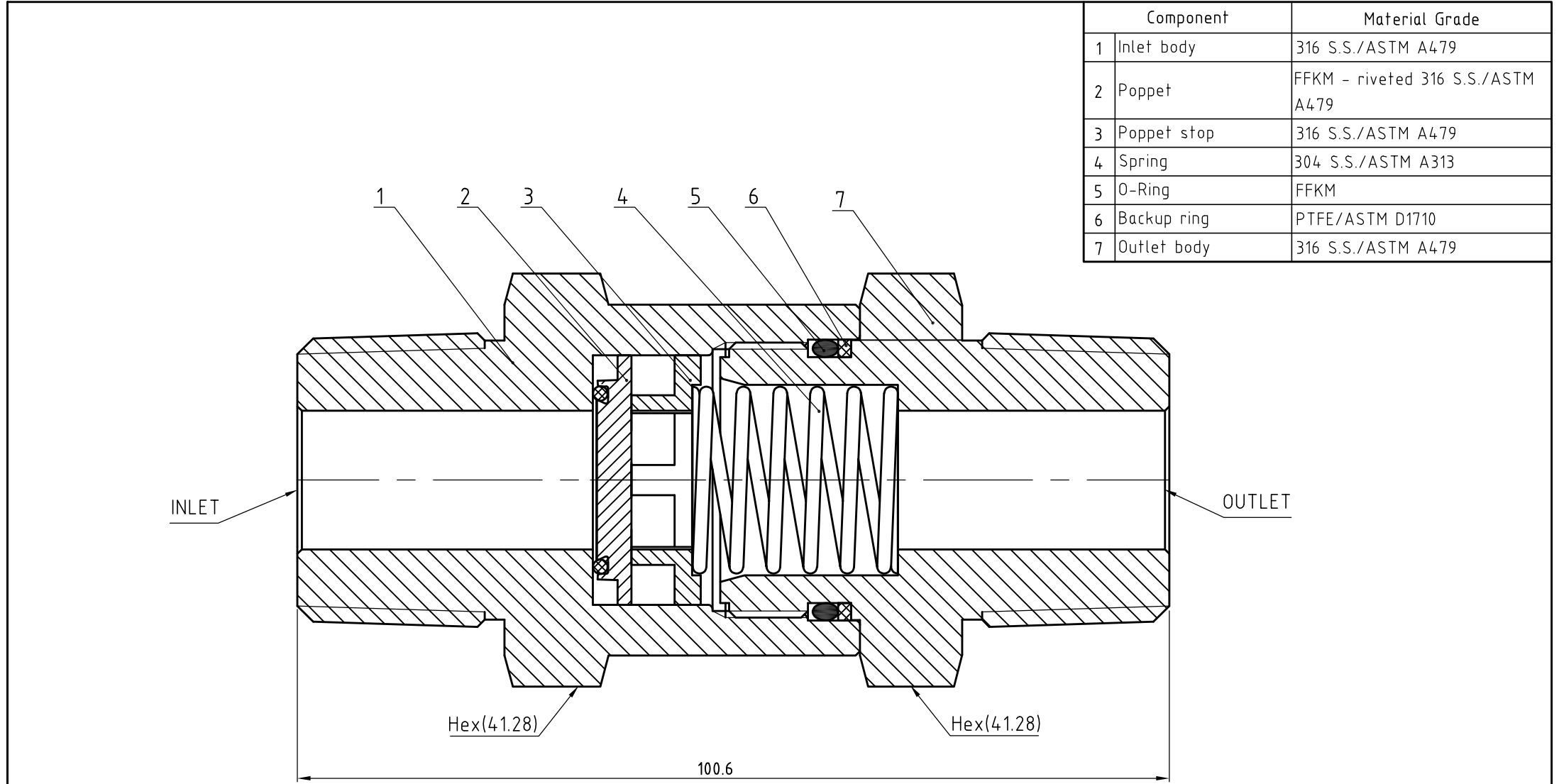
Technical Data:

Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Inlet Size	1/2 NPT
Outlet Size	1/2 NPT
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 400 (204)	6000 (413)		

A	Dec.05.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-NPT8-S-2-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Technical Data:

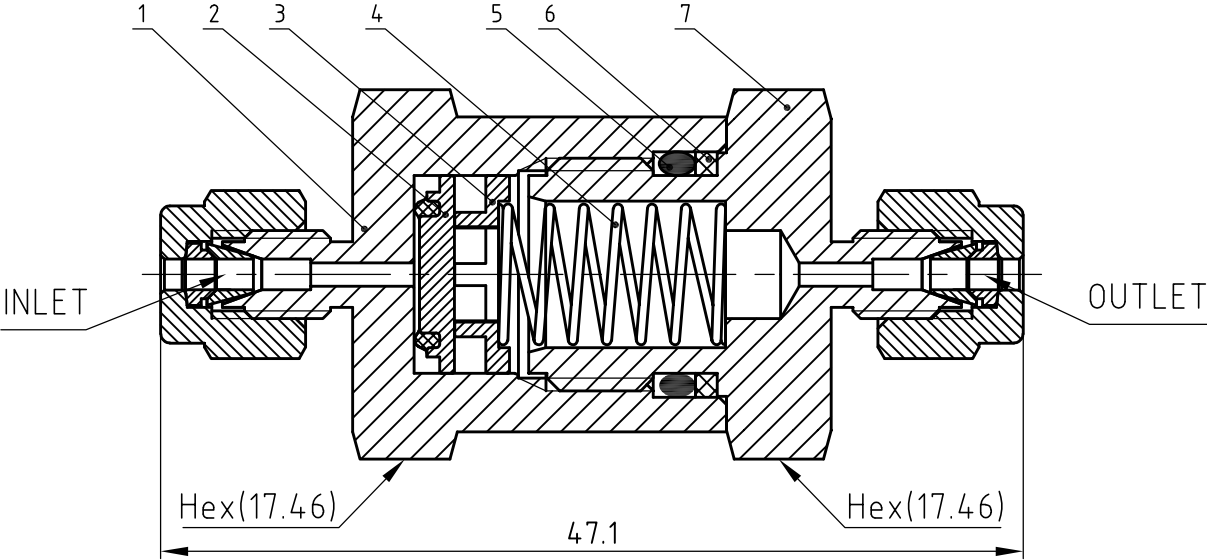
Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Inlet Size	1 NPT
Outlet Size	1 NPT
Cv	4.7

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
0 (-17) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		
500 (260)	3900 (269)		

A	Sep.09.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-I.LOK		Title	Check Valves		
		Model	CV2-NPT16-Z-1-316-GJ501		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S/ASTM A479
2	Poppet	Fluorocarbon FKM – bonded 316 SS/ASTM A479
3	Poppet stop	316 S.S/ASTM A479
4	Spring	304 S.S/ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S/ASTM A479



Technical Data:

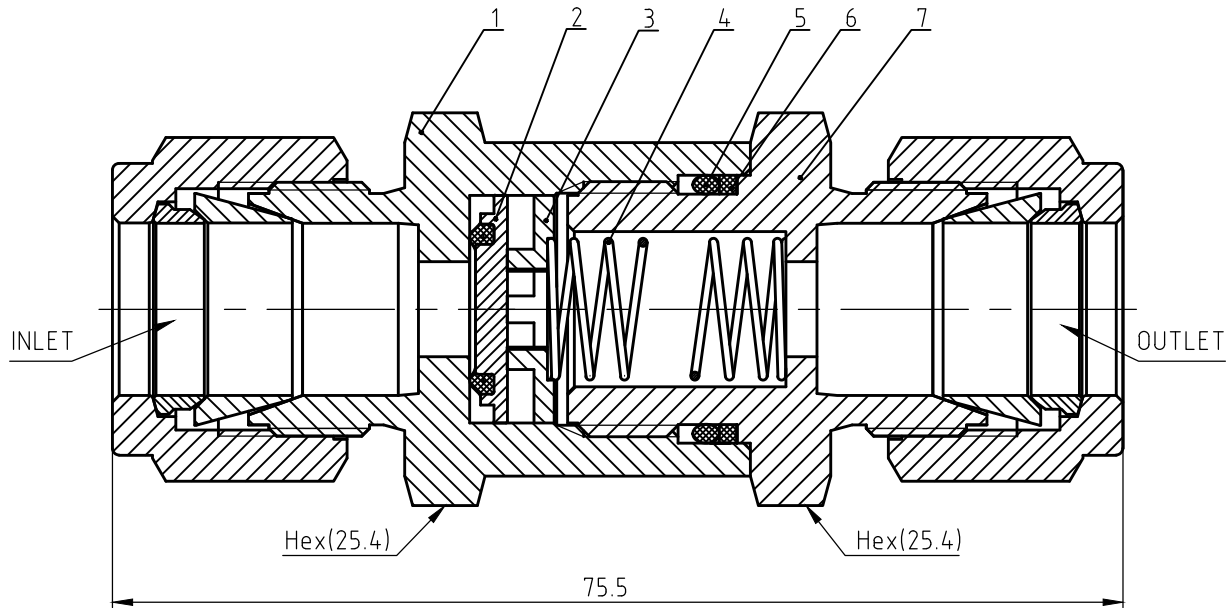
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.34) downstream pressure
Inlet Size	O.D. $\phi 1/16''$
Outlet Size	O.D. $\phi 1/16''$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	May.21.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-ILOK		Title	Check Valves		
		Model	CV2-F1-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	EPDM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	EPDM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

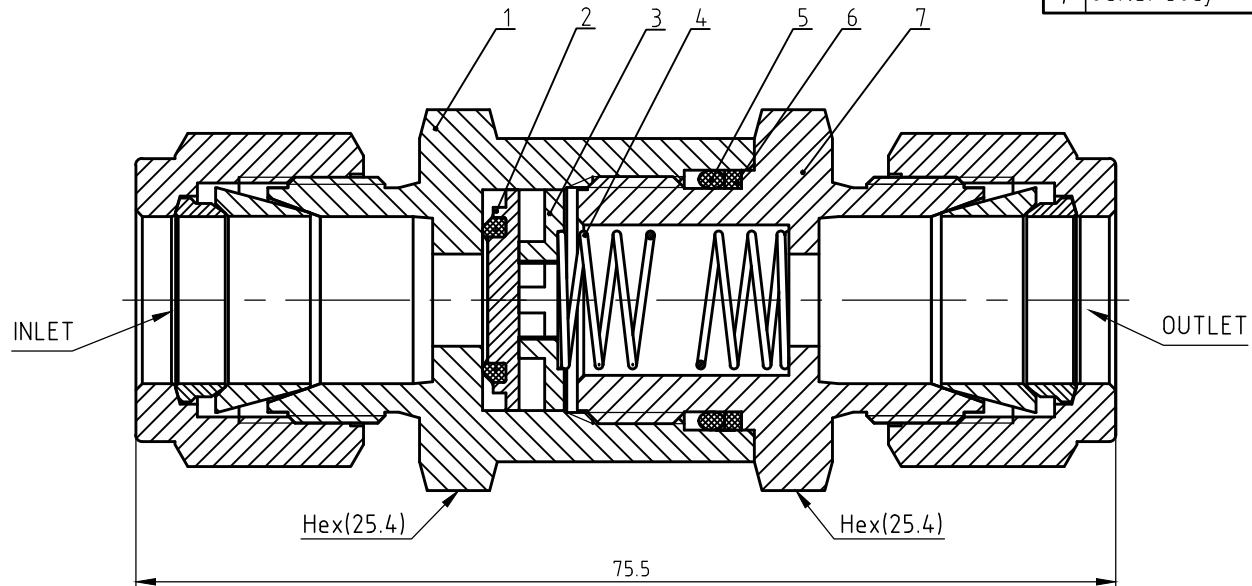
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Inlet Size	O.D. $\phi 1/2"$
Outlet Size	O.D. $\phi 1/2"$
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-50 (-45) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		
300 (148)	4660 (321)		

A	Apr.02.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-F8-E-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316.S.S/ASTM A479
2	Poppet	EPDM- bonded 316 SS/ASTM A479
3	Poppet stop	316.S.S/ASTM A479
4	Spring	304.S.S/ASTM A313
5	O-Ring	EPDM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316.S.S/ASTM A479



Technical Data:

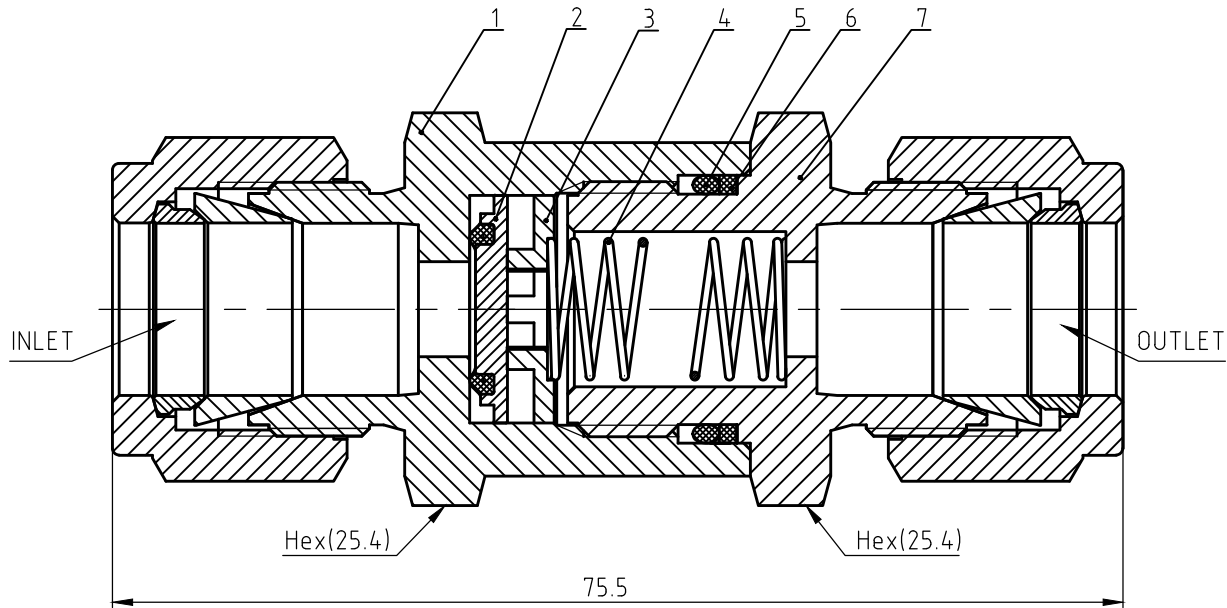
Cracking Pressure Range psig (bar)	45 to 55 (3.1 to 3.8)
Reseal Pressure psi (bar)	24 to 50 (1.6 to 3.4) inlet pressure
Inlet Size	O.D. $\phi 1/2''$
Outlet Size	O.D. $\phi 1/2''$
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-50 (-45) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		

A	Sep.22.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-F8-E-50-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

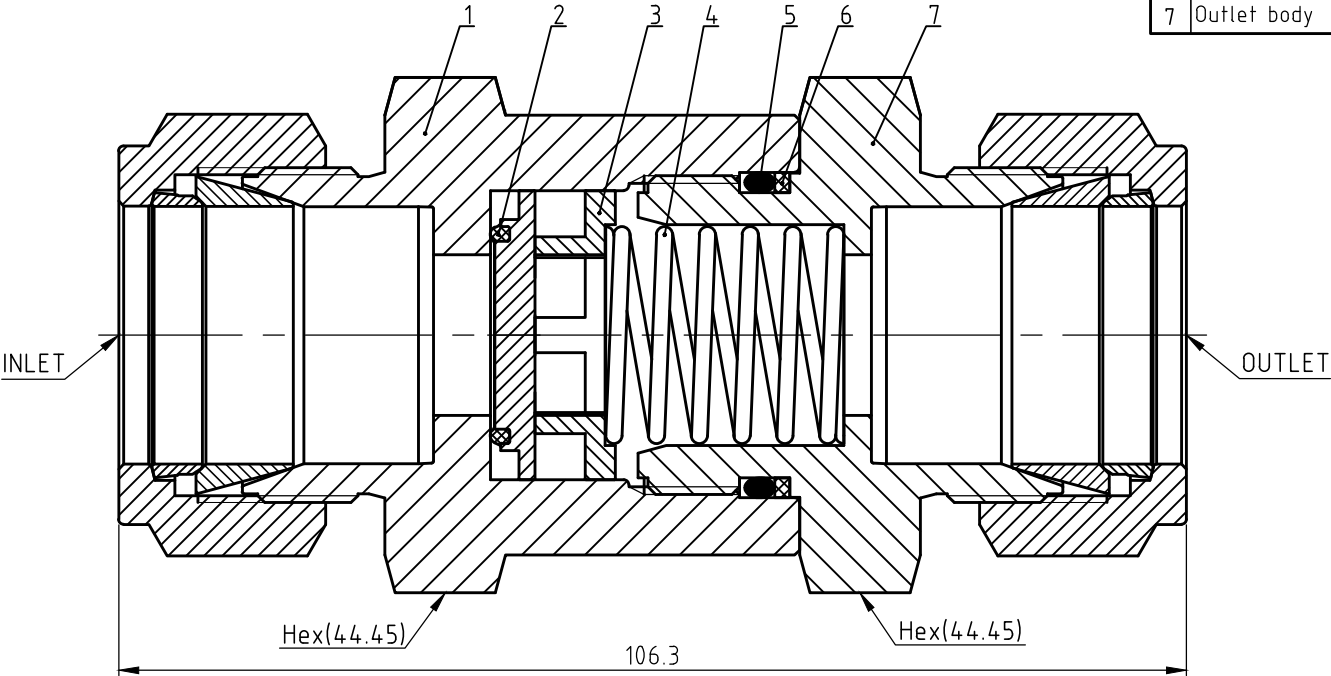
Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Inlet Size	O.D. $\phi 1/2"$
Outlet Size	O.D. $\phi 1/2"$
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Apr.02.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-F8-V-2-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

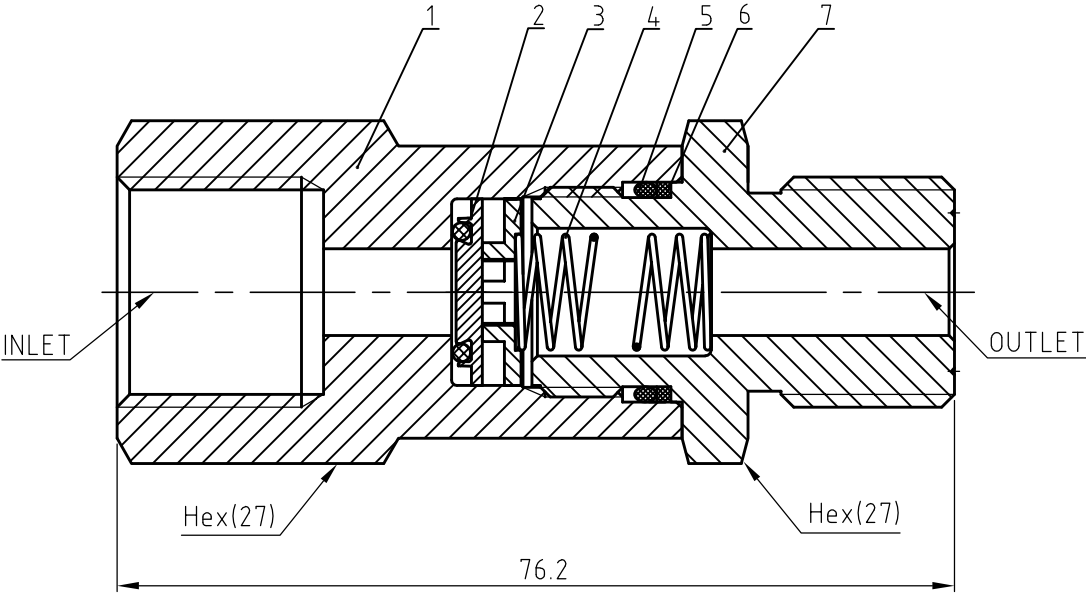
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5(0.35) downstream pressure
Inlet Size	O.D. ϕ 1"
Outlet Size	O.D. ϕ 1"
Cv	4.7

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Dec.08.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-F16-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	CR - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	CR
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

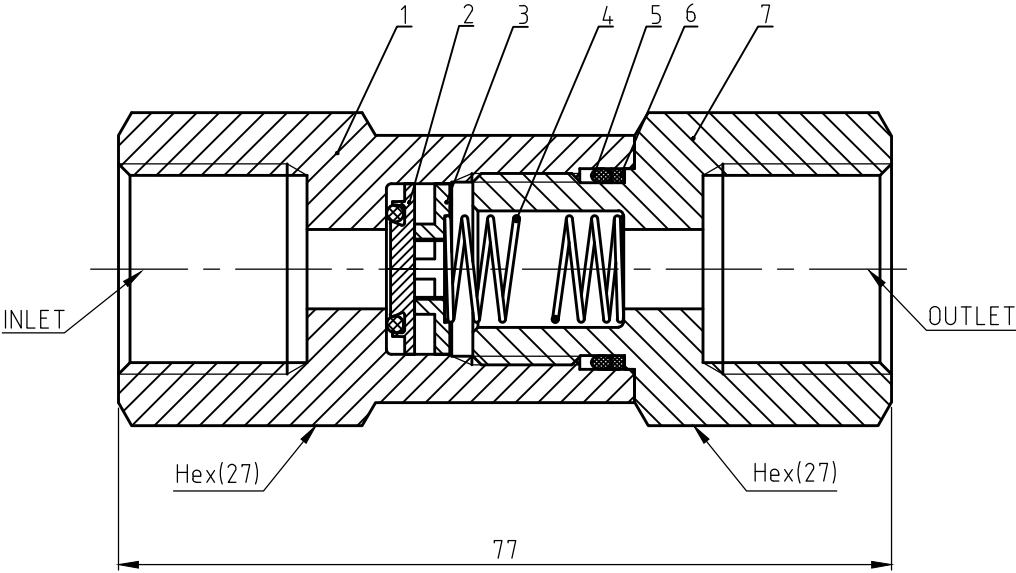
Cracking Pressure Range psig (bar)	20 to 30 (1.4 to 2.1)
Resealing Pressure Range psig (bar)	17 (1.2) or more inlet pressure
Inlet Size	G1/2(F)
Outlet Size	G1/2
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-40 (-40) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		

A	Jun.9.2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-FBP8-MBP8-N-25-316-DHV01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	FVMQ - riveted 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FVMQ
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Inlet Size	G1/2(F)
Outlet Size	G1/2(F)
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 400 (204)	6000 (413)		

A	Sep.19.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-FBP8-S-2-316-FJH01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Обратный клапан серии CV2
ПАСПОРТ

CV2-FNPT8-V-2-316



Производитель:
CIR-LOK
Китай

2022

1. НАЗНАЧЕНИЕ

Предназначен для предотвращения обратного оттока среды в системе.

2. ОСНОВНЫЕ ТЕХНИЧЕСКИЕ ДАННЫЕ

- Рабочая температура: от -23 °C до 204 °C
- Рабочее давление: до 413 бар
- Cv: 0.67
- Материал корпуса: Нерж. сталь 316 L
- Материал уплотнений: FKM
- Торцевые соединения: Вход /Выход – Внутренняя резьба 1/2" NPT
- Герметичность в затворе (ГОСТ 9544-2015) - А
- Давление открытия 0,02 бар

3. ПОКАЗАТЕЛИ НАДЕЖНОСТИ И БЕЗОПАСНОСТИ

- Полный срок службы (до списания): 50 лет
- Средняя наработка до отказа: 320000 часов
- Вероятность безотказной работы: 0,95
- Назначенный срок службы: 40 лет
- Назначенный ресурс: 240000 часов
- Климатическое исполнение: У1

4. ИСПЫТАНИЯ

Все обратные клапаны испытываются на работоспособность и на наличие утечек.

5. ГАРАНТИЙНЫЕ ОБЯЗАТЕЛЬСТВА

На все поставляемые товары устанавливается гарантийный срок эксплуатации 36 месяцев, с даты отгрузки Товара со склада Поставщика.

Продавец гарантирует Покупателю соответствие качества поставляемого им товара стандарту качества производителя.

На обратные клапаны предоставляется декларация о соответствии ТС № ЕАС RU Д-CN.PA05.B.94894/22

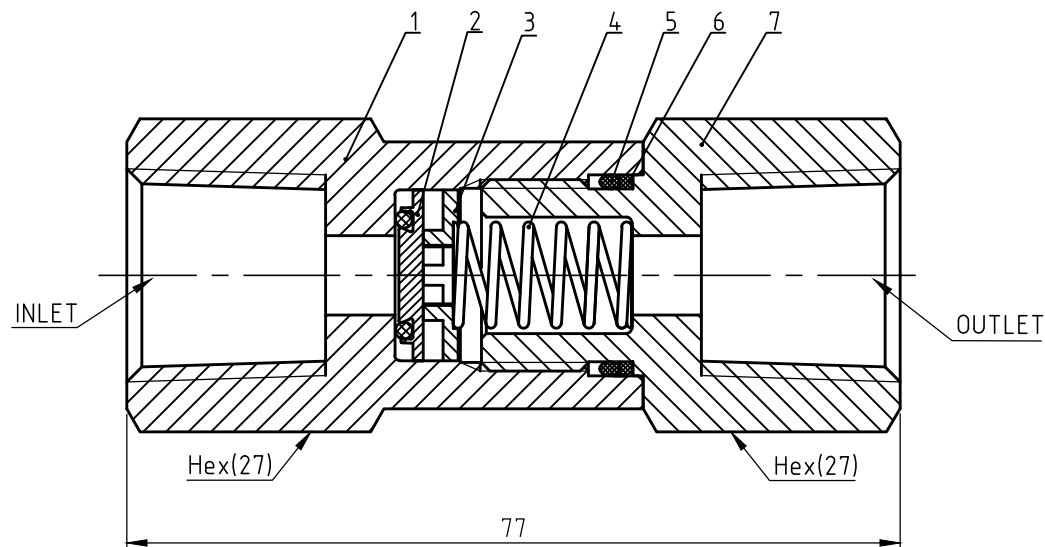
Дата отгрузки: в соответствии с отгрузочными документами
Производитель: No. 156 Tongxin Road, Chongzhou Economic Development Zone, Chengdu, 611200, China

Представитель производителя в РФ: ООО «ХСМЕ Рус», г. Москва,

1. тел. +7 (495) 646-0-999



Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	FVMQ - riveted 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FVMQ
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



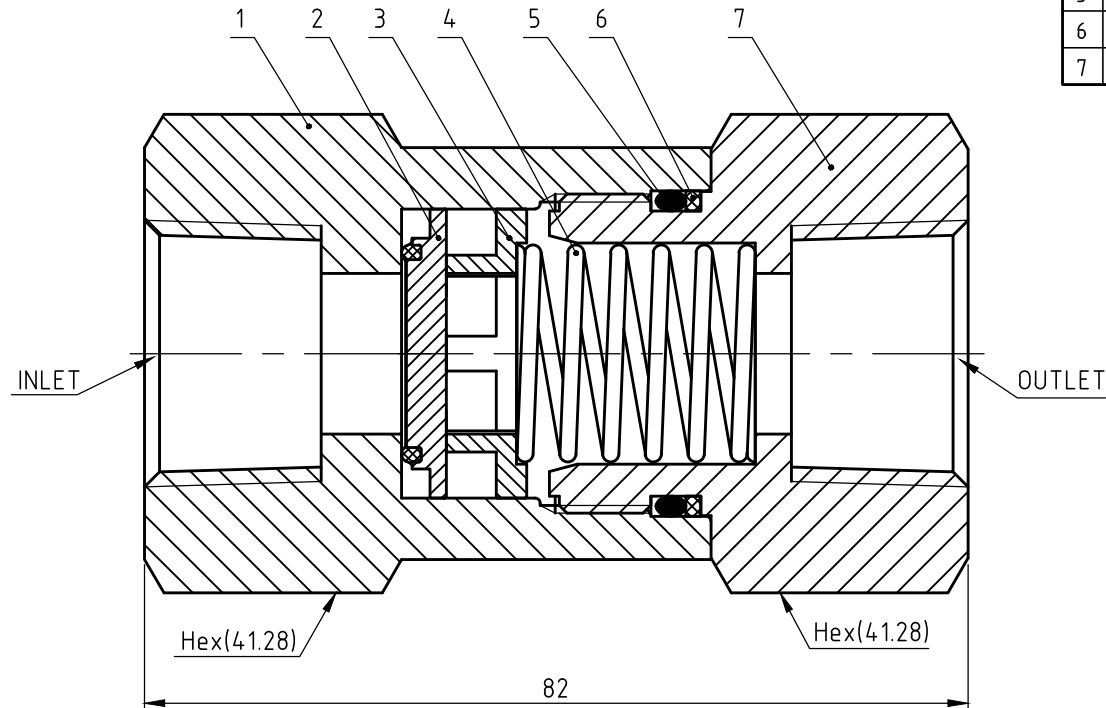
Technical Data:

Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Inlet Size	1/2 NPT (F)
Outlet Size	1/2 NPT (F)
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 400 (204)	6000 (413)		

A	Sep.19.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-FNPT8-S-2-316-FJH01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE
7	Outlet body	316 S.S./ASTM A479

Technical Data:

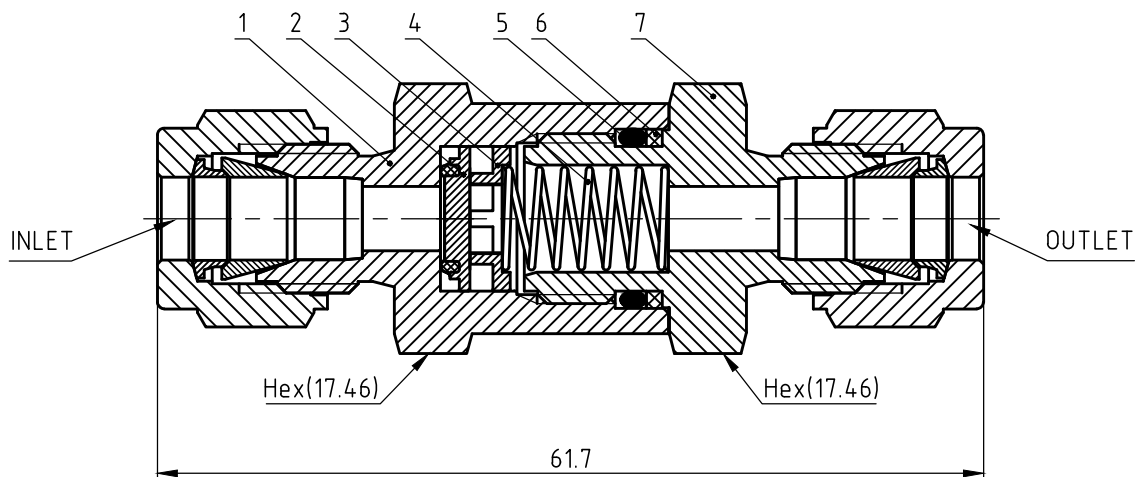
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Inlet Size	3/4 NPT (F)
Outlet Size	3/4 NPT (F)
Cv	4.7

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Apr.02.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-FNPT12-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	CR-bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	CR
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



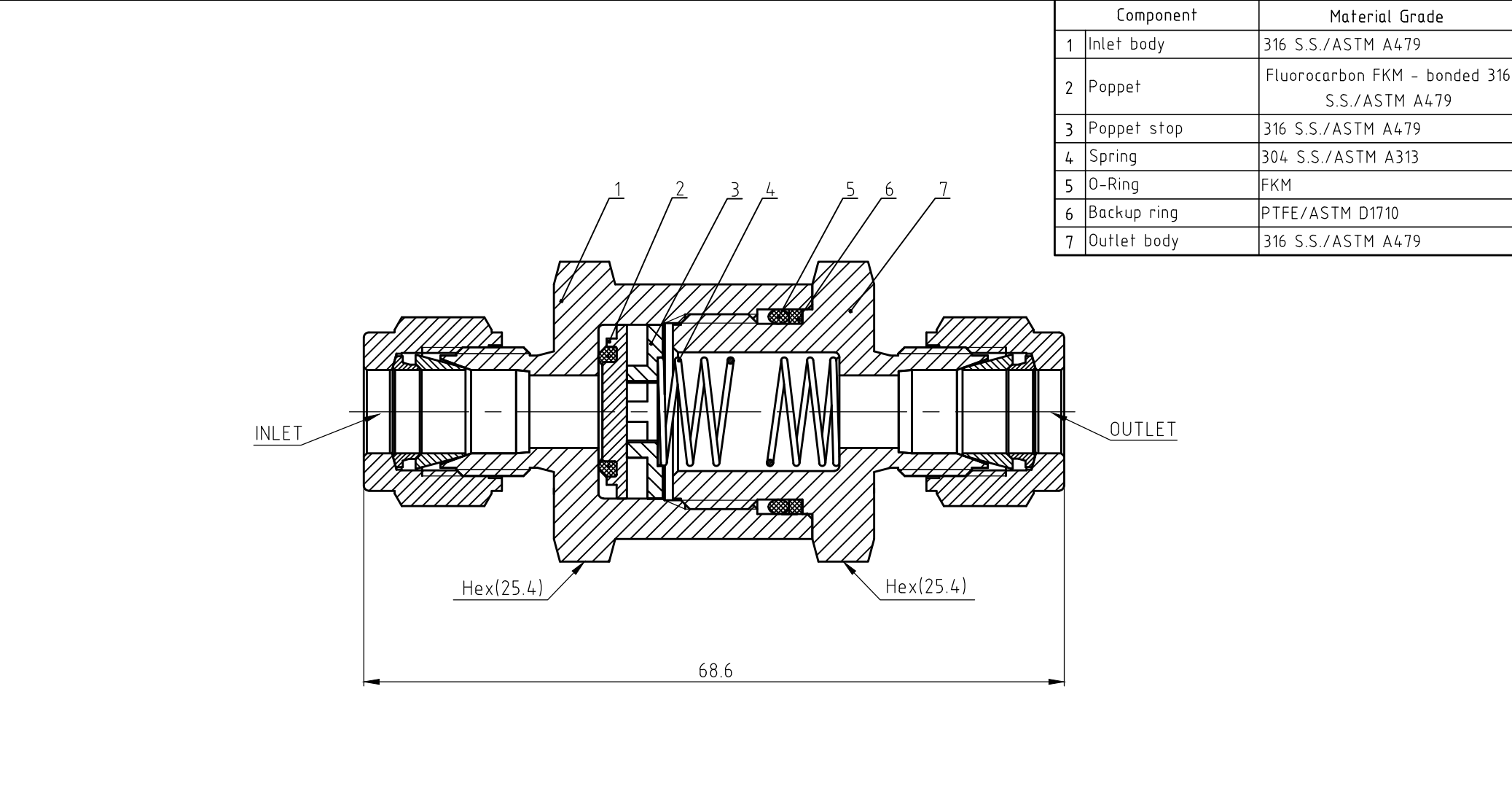
Technical Data:

Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$
Cv	0.67

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-40 (-40) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		

A	Jul.26.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-M6-N-2-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Technical Data:

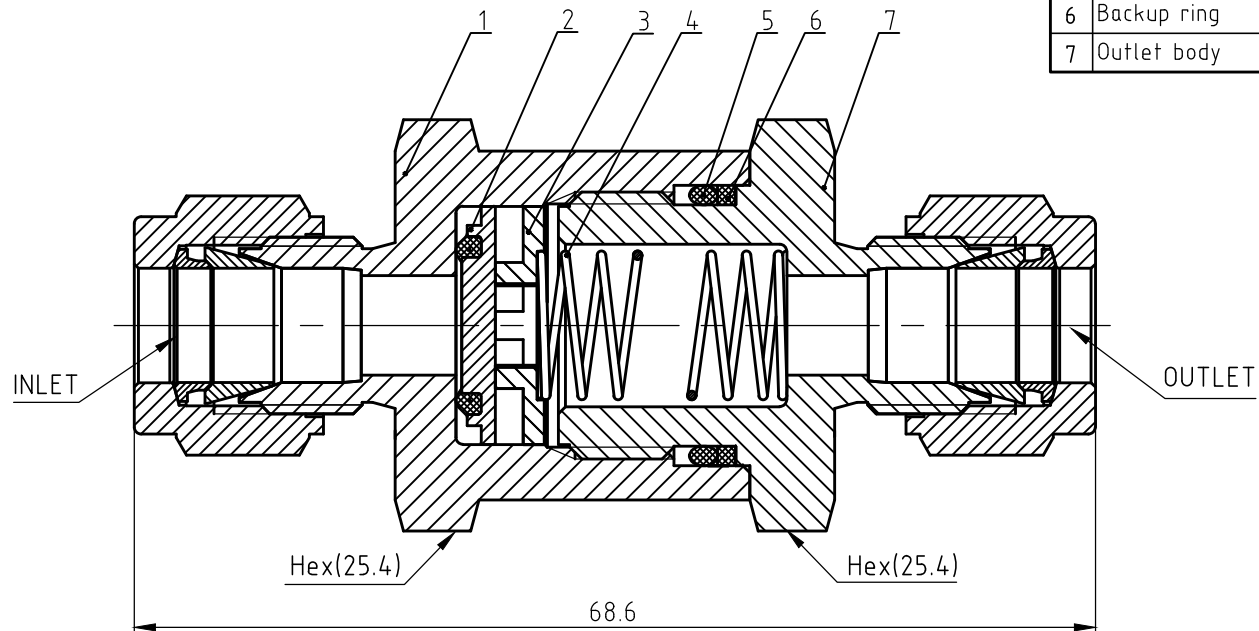
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Inlet Size	O.D. ø8
Outlet Size	O.D. ø8
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	May.04.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-M8-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 SS/ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

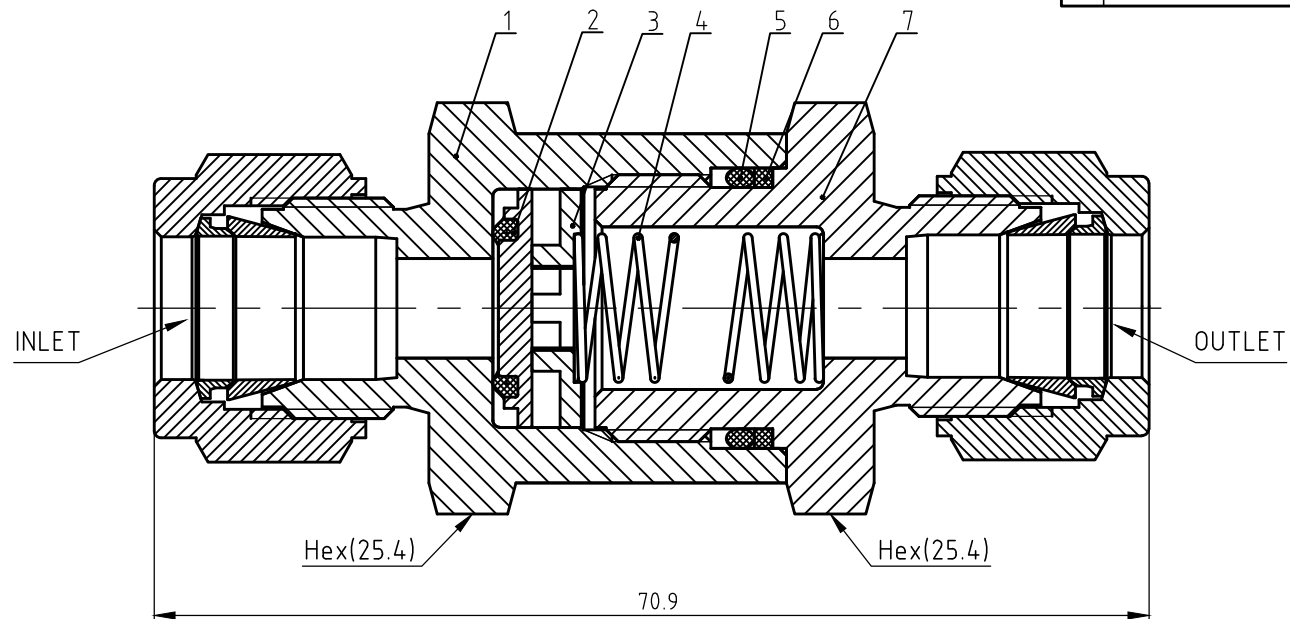
Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) back pressure
Inlet Size	O.D. ϕ 8
Outlet Size	O.D. ϕ 8
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Mar.23.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-M8-V-2-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316.S.S/ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 SS/ASTM A479
3	Poppet stop	316.S.S/ASTM A479
4	Spring	304.S.S/ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316.S.S/ASTM A479



Technical Data:

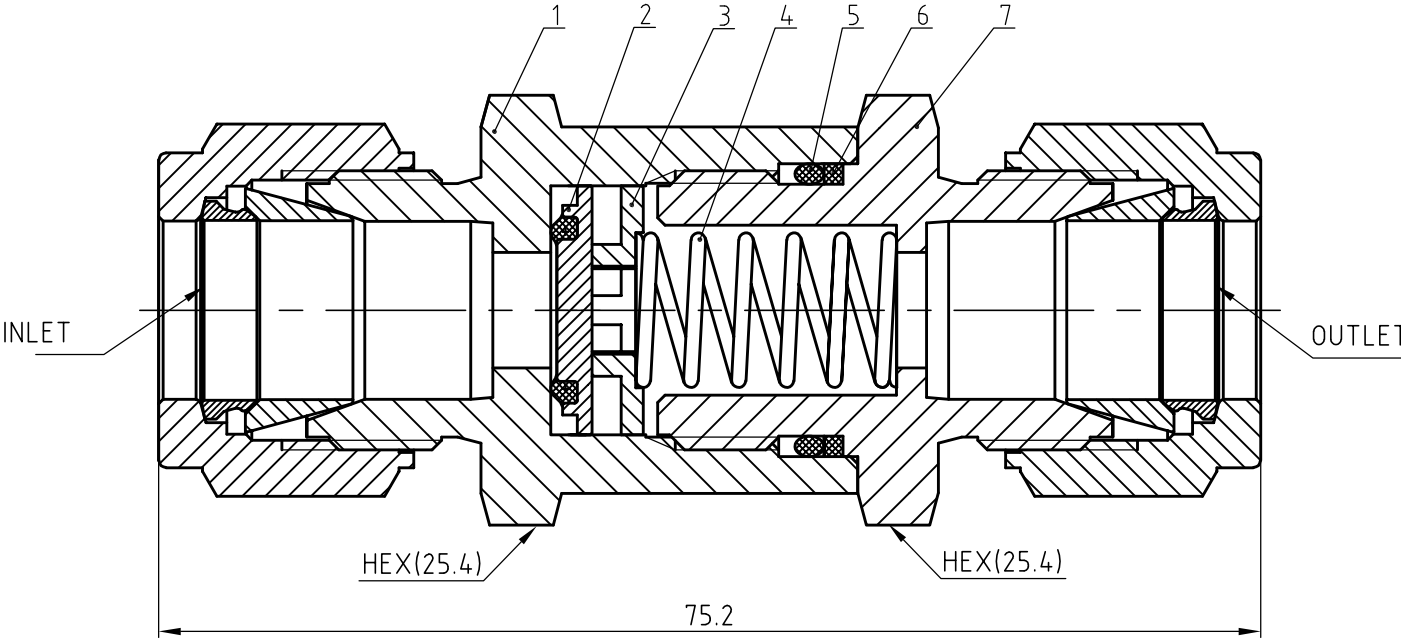
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) back pressure
Inlet Size	O.D. $\phi 10$
Outlet Size	O.D. $\phi 10$
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Jul.27.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-M10-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316.S.S./ASTM A479
2	Poppet	FVMQ- bonded 316 S.S./ASTM A479
3	Poppet stop	316.S.S./ASTM A479
4	Spring	304.S.S./ASTM A313
5	O-Ring	FVMQ
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316.S.S./ASTM A479



Technical Data:

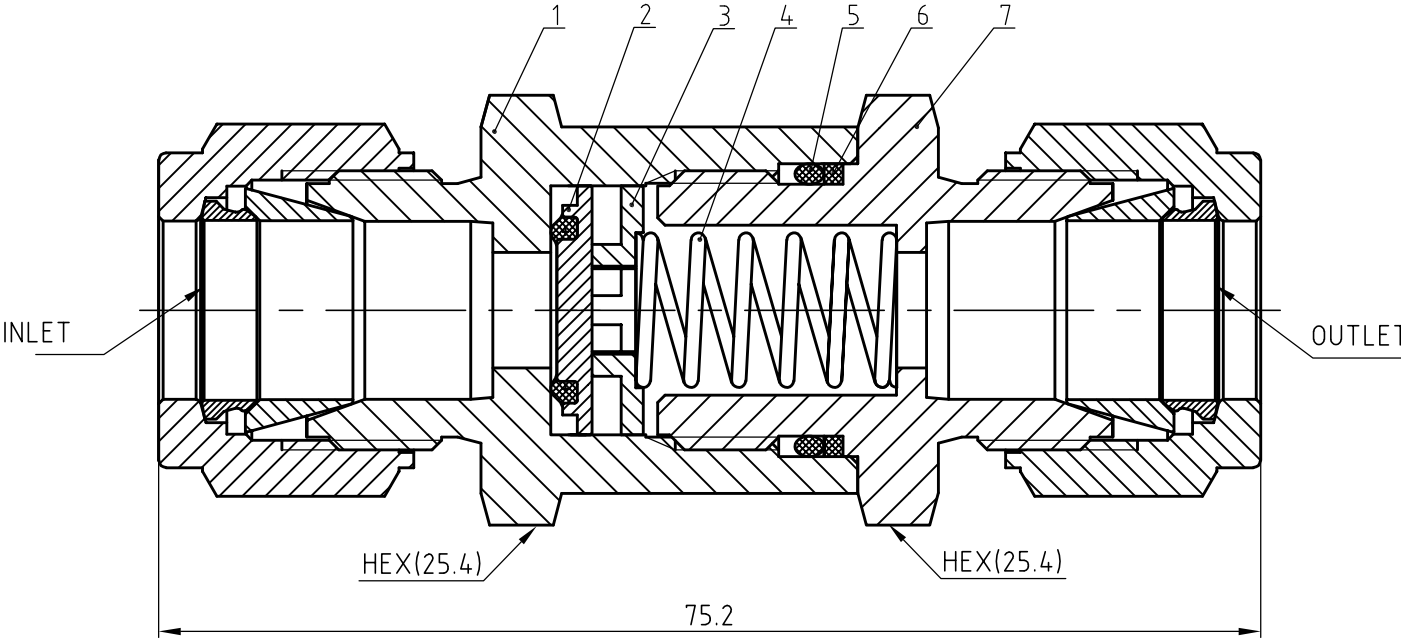
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.34)back pressure
Inlet Size	O.D. ϕ 12
Outlet Size	O.D. ϕ 12
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 400 (204)	6000 (413)		

A	Feb.6.2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-I.LOK		Title	Check Valves		
		Model	CV2-M12-S-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316.S.S/ASTM A479
2	Poppet	Fluorocarbon FKM – bonded 316 SS/ASTM A479
3	Poppet stop	316.S.S/ASTM A479
4	Spring	304.S.S/ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316.S.S/ASTM A479



Technical Data:

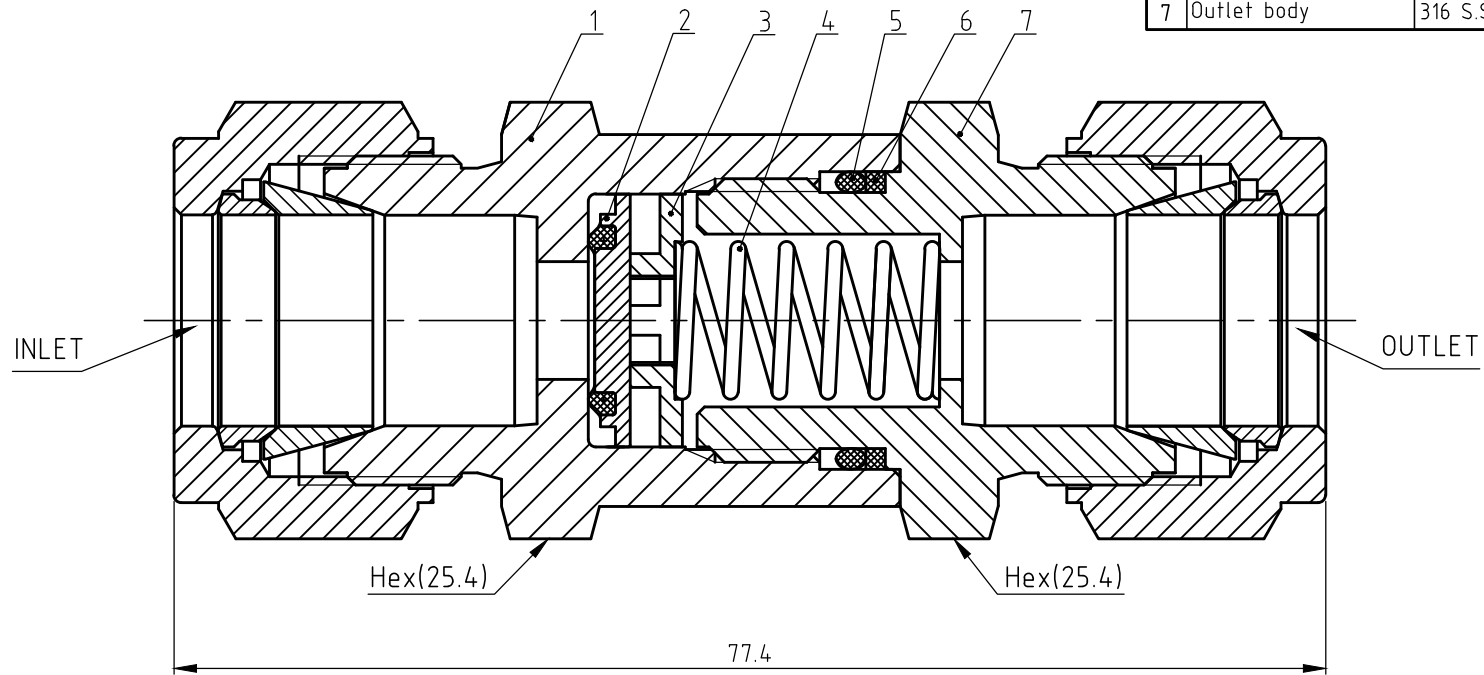
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.34)back pressure
Inlet Size	O.D. ϕ 12
Outlet Size	O.D. ϕ 12
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Aug.14.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-I.LOK		Title	Check Valves		
		Model	CV2-M12-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	EPDM- bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	EPDM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

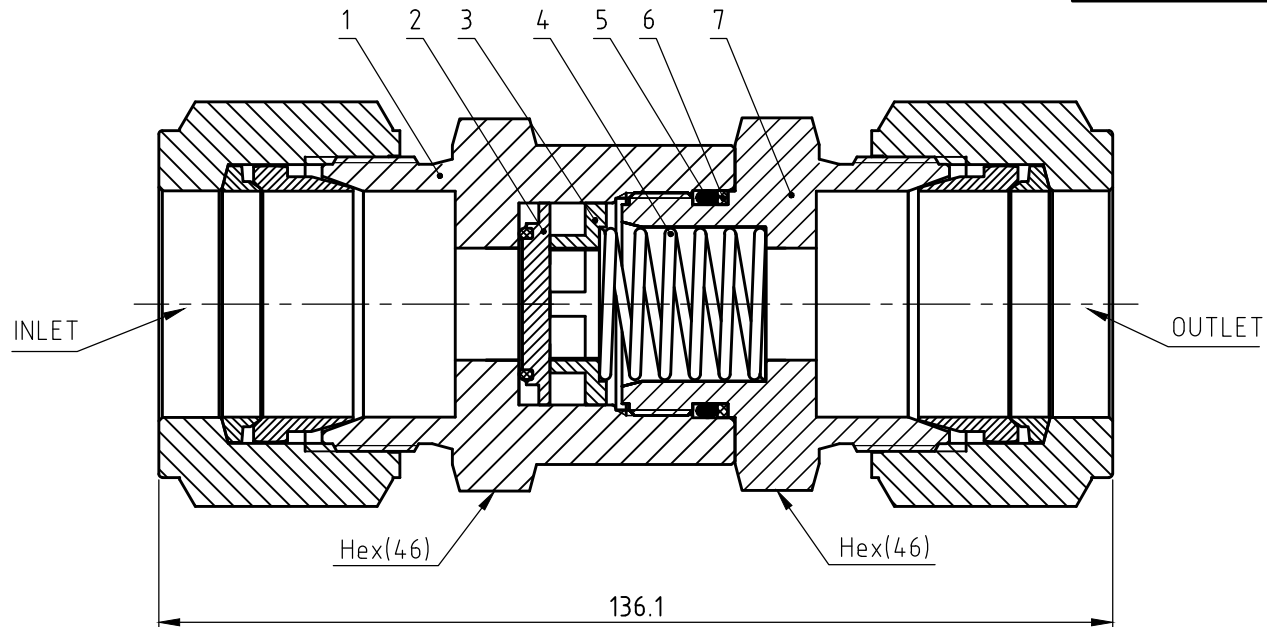
Cracking Pressure Range psig (bar)	20 to 30 (1.4 to 2.1)
Reseal Pressure psi (bar)	17 (1.2) or more inlet pressure
Inlet Size	O.D. $\phi 14$
Outlet Size	O.D. $\phi 14$
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-50 (-45) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		

A	Nov.13.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-M14-E-25-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

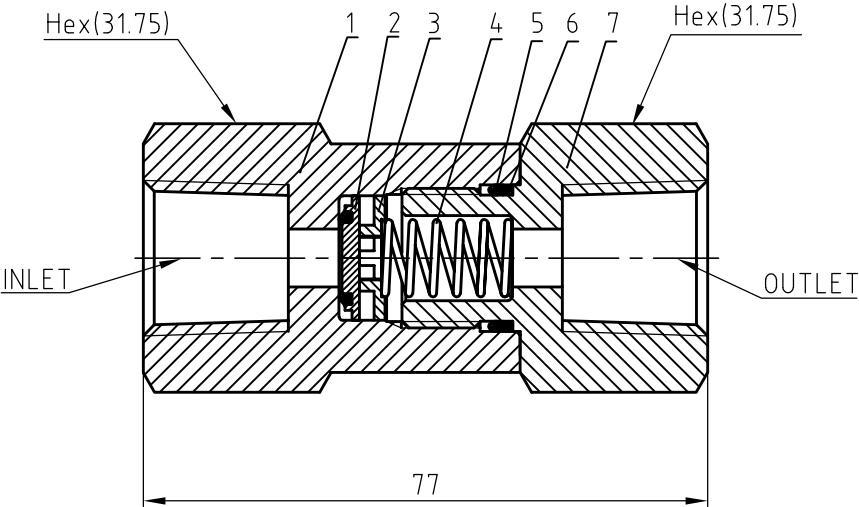
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Inlet Size	O.D. ϕ 32
Outlet Size	O.D. ϕ 32
Cv	4.7

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-10 (-23) to 100 (37)	6000 (413)		
200 (93)	5160 (355)		
250 (121)	4910 (338)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		

A	Jun.04.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV2-M32-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479

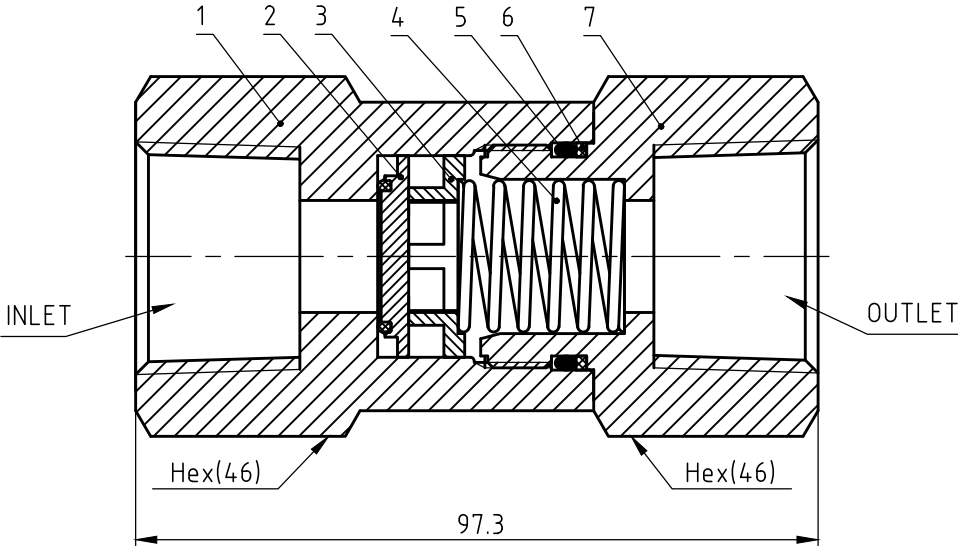


Technical Data:

Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Working pressure	Max 10000psi (689.6bar)
Temperature Ratings	-10°F (-23℃) to 400°F (204℃)
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Cv	1.8

A	Jan.20.2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV21-FNPT8-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316.S.S/ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 SS/ASTM A479
3	Poppet stop	316.S.S/ASTM A479
4	Spring	304.S.S/ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316.S.S/ASTM A479



Technical Data:

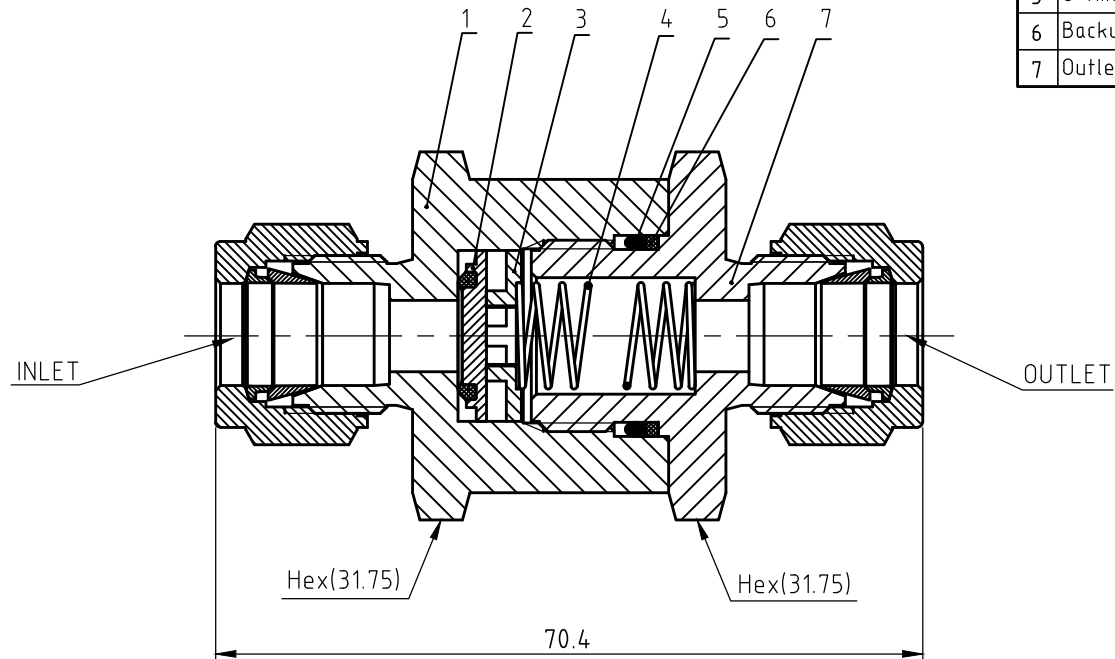
Cracking Pressure Range psig (bar)	7 to 15 (0.48 to 1.03)
Resealing Pressure Range psig (bar)	3 (0.21) or more inlet pressure
Working pressure	Max 10000psi (689.6bar)
Inlet Size	1 NPT(F)
Outlet Size	1 NPT(F)
Cv	4.7

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)

A	Dec.14.2020				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV21-FNPT16-V-10-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479

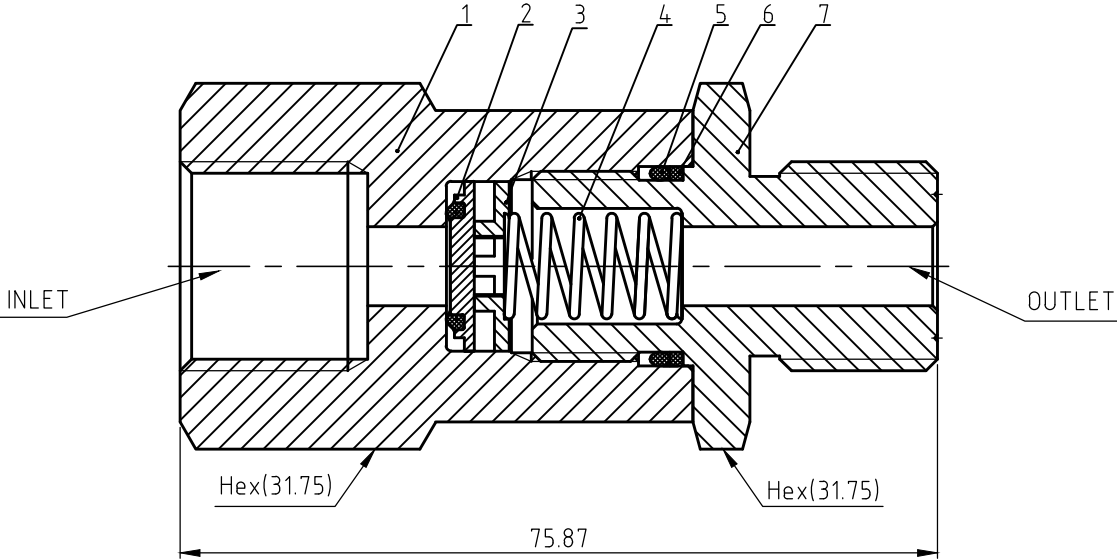


Technical Data:

Cracking Pressure Range psig (bar)	0 to 3 (0 to 0.21)
Resealing Pressure Range psig (bar)	Up to 6 (0.42) downstream pressure
Working pressure	Max 10000psi (689.6bar)
Inlet Size	O.D.Ø10
Outlet Size	O.D.Ø10
Cv	1.8

A	Mar.11.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV21-M10-V-2-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

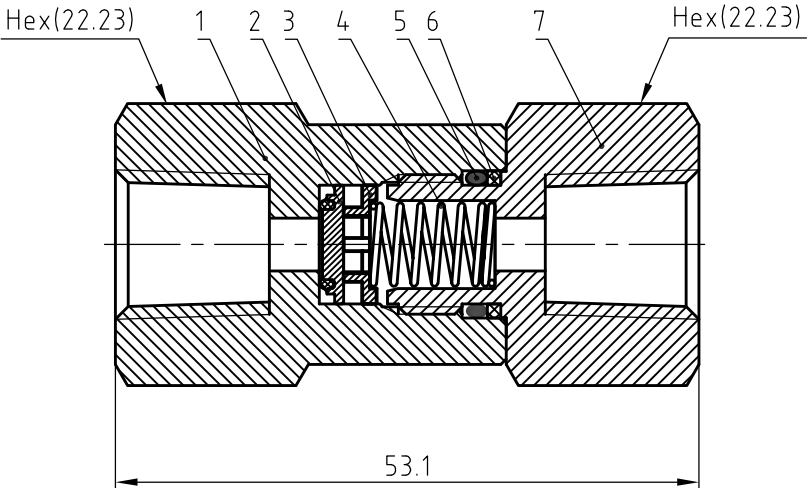
Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Working pressure	Max 10000psi (689.6bar)
Inlet Size	G1/2(F)
Outlet Size	G1/2
Cv	1.8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)

A	May.26.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV21-FBP8-MBP8-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

Component		Material Grade
1	Inlet body	316 S.S./ASTM A479
2	Poppet	Fluorocarbon FKM - bonded 316 S.S./ASTM A479
3	Poppet stop	316 S.S./ASTM A479
4	Spring	304 S.S./ASTM A313
5	O-Ring	FKM
6	Backup ring	PTFE/ASTM D1710
7	Outlet body	316 S.S./ASTM A479



Technical Data:

Cracking Pressure Range psig (bar)	0 to 4 (0 to 0.28)
Resealing Pressure Range psig (bar)	Up to 5 (0.35) downstream pressure
Working pressure	Max 10000psi (689.6bar)
Inlet Size	1/4 NPT(F)
Outlet Size	1/4 NPT(F)
Cv	0.67

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)

A	Feb.27.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Check Valves		
		Model	CV21-FNPT4-V-1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		