

Ball Valves Series BVE/BVS and CVE/CVS

Features

- BVE/S, Max. working pressure PS: 45 bar
- CVE/S for CO₂, Max. working pressure PS: 60 bar
- BVS/CSV version with Schrader valve
- Two threads at valve body for easy mounting
- Hermetic design with Laser welded valve body
- Bi-directional flow characteristics
- Valve cap retained by strap attached to main body
- Pressure relief port design
- CE Marking acc. PED (from BVE-138 up to BVE-318)
- To protect valve from unauthorized use a special seal cap is available as accessory



Selection table BVE/BVS (UL Approved)

Type BVE	Part No.	Type BVS	Part No.	Connection size ODF	
				(inch)	(mm)
BVE-014	806 730	BVS-014	806 750	1/4"	
BVE-M06	806 731	BVS-M06	806 751		6mm
BVE-038	806 732	BVS-038	806 752	3/8"	
BVE-M10	806 733	BVS-M10	806 753		10mm
BVE-012	806 734	BVS-012	806 754	1/2"	
BVE-M12	806 735	BVS-M12	806 755		12mm
BVE-058	806 736	BVS-058	806 756	5/8"	16mm
BVE-034	806 737	BVS-034	806 757	3/4"	
BVE-078	806 738	BVS-078	806 758	7/8"	22mm
BVE-118	806 739	BVS-118	806 759	1-1/8"	
BVE-M28	806 740	BVS-M28	806 760		28mm
BVE-138	806 741	BVS-138	806 761	1-3/8"	35mm
BVE-158	806 742	BVS-158	806 762	1-5/8"	
BVE-M42	806 743	BVS-M42	806 763		42mm
BVE-218	806 744	BVS-218	806 764	2-1/8"	54mm
BVE-258	806 745	BVS-258	806 765	2-5/8"	
BVE-318	806746	BVS-318	806766	3-1/8"	

Selection table CVE/CSV (Not UL Approved)

Type CVE	Part No.	Type CVS	Part No.	Connection size ODF	
				(inch)	(mm)
CVE-014	808 130	CVS-014	808 150	1/4"	
CVE-M06	808 131	CVS-M06	808 151		6mm
CVE-038	808 132	CVS-038	808 152	3/8"	
CVE-M10	808 133	CVS-M10	808 153		10mm
CVE-012	808 134	CVS-012	808 154	1/2"	
CVE-M12	808 135	CVS-M12	808 155		12mm
CVE-058	808 136	CVS-058	808 156	5/8"	16mm
CVE-034	808 137	CVS-034	808 157	3/4"	
CVE-078	808 138	CVS-078	808 158	7/8"	22mm

Technical Data

Max. Allowable Pressure PS	BVE/BVS 45 Bar; CVE/CSV 60 Bar
Test Pressure PT	BVE/BVS 49.5 Bar; CVE/CSV 66 Bar
Medium Temperature TS	-40 ... 120°C
Medium Compatibility	R410A R134a R22 R404A R507 R407C R1234ze R448A R449A R450A R513A R744 R124 R452A

Accessories - Special Seal Caps

BVE / BVS , CVE / CVS Valve Size	Part No.	Thread (3)	Quantity Per Pack
1/4" ... 7/8" (6 ... 22mm)	806 770	M18x1	10 pcs
1-1/8" ... 1-3/8" (28 ... 35mm)	806 771	M27x1	10 pcs
1-5/8 (42 mm) ... 3-1/8"	806 772	M36x1	10 pcs