



CVVS SERIES

Stainless steel general purpose screw connect couplers made to the ISO 14541 Standard dimensions

ISO 14541 Stainless steel screw connect couplers are designed primarily for high pressure pulse applications. They incorporate all the benefits of the carbon steel CVV Series, while being perfectly suited for corrosive fluids and environments.



Series CVVS //Stainless Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel, Zinc-Plating
Standard Seal Material(s)	NBR (Buna-N®), PTFE, ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Face
Connection	Push
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Hammer circuits, High pressure pulse applications, Construction plant, mobile equipment, general industrial
ISO Interchange	ISO 16028

² Alternative seal materials are available on request.

Features

- Stainless steel perfectly suited for corrosive fluids and environments
- Screw connect design eliminates brinelling
- can be connected with up to 50 bar residual pressure in the hydraulic circuit.
- Modular construction enables numerous thread and connection options
- ISO interchange acc. to ISO 14541

Applications

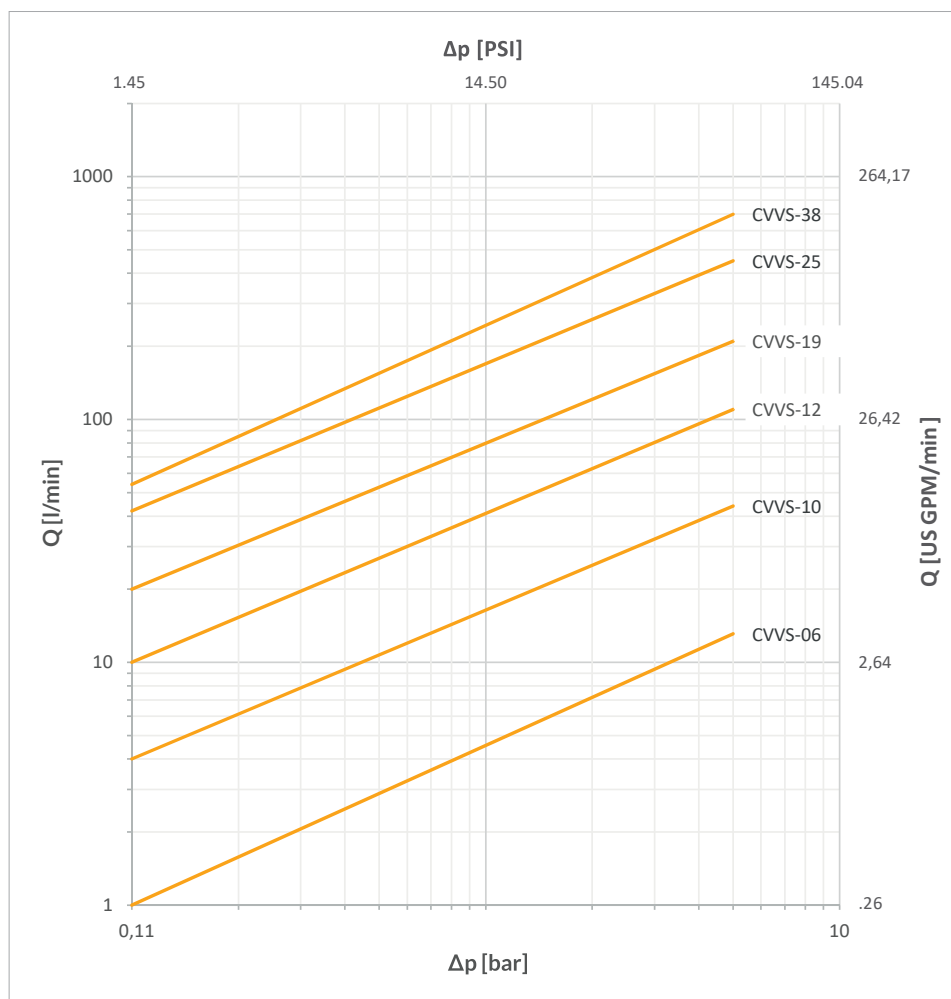
- Hydraulic jacks
- Marine
- Oil and gas
- Agricultural industries



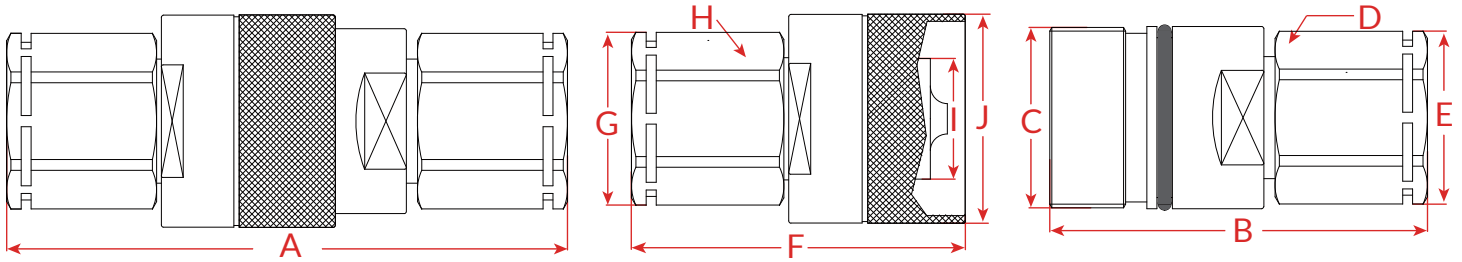
Technical Data

Series	DN Inch	DN Metric	Q _{max}		Working Pressure		bursting puresure coupled		female body		male tip		spillage ml
			l/min	US GPM	bar	psi	bar	psi	bar	psi	bar	psi	
CVVS-06	1/4"	6,3	40	10.57	400	5801	1700	24656	1220	17695	1500	21756	0.01
CVVS-10	3/8"	10	80	21.13	350	5076	1500	21756	1050	15229	1100	15954	0.015
CVVS-12	1/2"	12,5	120	31.70	350	5076	1200	17404	1000	14504	1050	15229	0.02
CVVS-20	3/4"	16	140	36.98	350	5076	1200	17404	1100	15954	1100	15954	0.02
CVVS-25	1"	19	180	47.55	350	5076	1450	21030	1050	15229	1050	15229	0.032
CVVS-38	1 1/2"	25	260	68.68	260	3771	800	11603	800	11603	800	11603	0.03

Flow Characteristics



Dimensions



Series	Size	Thread	Overall Length	F. Length	Thread	Hex	O.D	M. Length	O.D	Hex	O.D	O.D	Weight (g)	
			A	B	C	D	E	F	G	H	I	J	Female	Male
CVVS-06	1/4"	1/4"	92	59	M24x2	19	22	58	22	19	12.9	35	122	130
CVVS-10	3/8"	3/8"	98.3	64	M28x2	22	24.5	61.2	24.5	22	17.5	34	163	177
CVVS-12	1/2"	1/2"	103.5	67	M36x2	30	33	64.5	33	30	22	42	322	279
CVVS-20	3/4"	3/4"	128.5	83.5	M42x2	36	39	76.5	39	36	27.9	47.5	500	437
CVVS-25	1"	1"	152.5	100	M48x3	41	44	87.5	44	41	35	55	771	651
CVVS-31	1 1/4"	1 1/4"	186.5	119.2	M70x3	55	58	114.5	58	55	53.9	85	1802	2350

Dimensions in mm

The dimensions based on the npt thread, and the other thread some dimensions would be a little different, see the detail product page on our website.

Code Rules

CVVS - 10 F NPT3/8

①
②
③
④

- ① Series - CVVS
- ② Body Size, 06 = 1/4", 10 = 3/8", 12 = 1/2"...25 = 1"
- ③ Part, F = Female Coupler, M = Male Nipple, Blank = Set(Female+Male)
- ④ Thread Type and Size, NPT1/2", G1/2" etc. and the ISO8434-1 24° cone connectors thread would be a grade, code like 10L M16x1.5,

