

# CVV Series

General purpose screw connect poppet couplers made to the ISO 14541 Standard

## Introduction

AKJia's CVV Series screw connect couplers are designed primarily for high pressure pulse applications. They can be connected under residual system pressures of up to 50 bar. The CVV Series is a cost effective, proven solution suited to many industries and applications.

## Construction

- Carbon steel with trivalent plating
- Fitted with Nitrile seals (NBR)
- Also available in AISI 316 stainless steel (See CVVS Series)

## Features

- Screw connect design eliminates brinelling
- Modular construction enables numerous thread and connection options
- Can be connected with up to 50 bar residual pressure in the hydraulic circuit
- Bidirectional flow

## Application

- Hammer circuits
- High pressure pulse applications
- Construction plant, mobile equipment, demolition and agricultural industries.

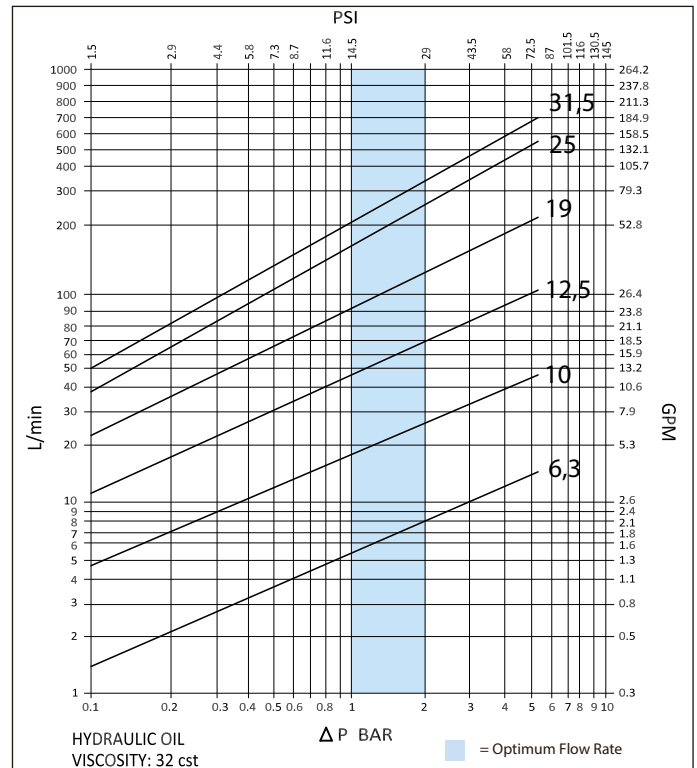


## Specifications

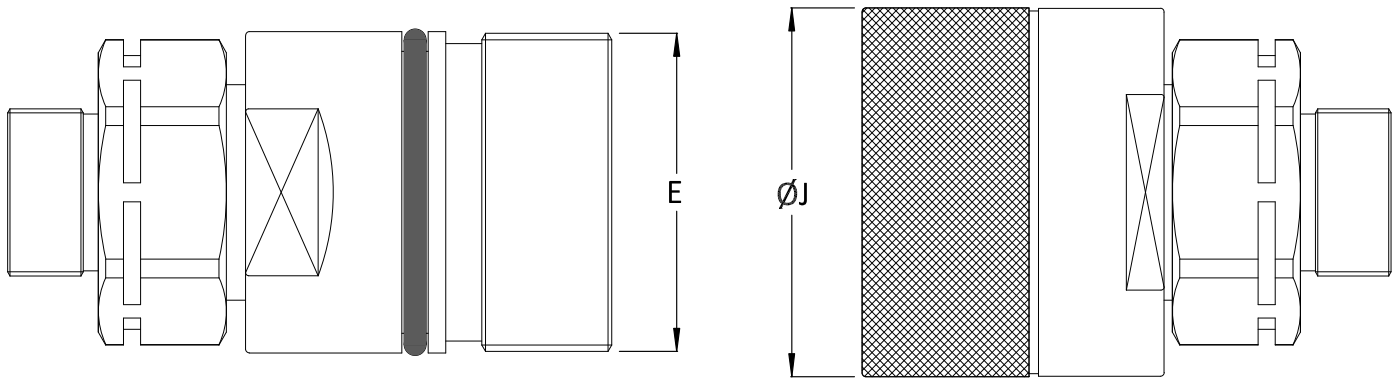
Seal Material	Min. Temp		Max. Temp	
Nitrile seals*	-40°C	-40°F	106°C	223°F



## Pressure Drop Characteristics



**Drawing**



Size	Front End Thread Connection ØE	ØJ	Maximum Working Pressure	Burst Pressure (coupled)	Burst Pressure (Male)	Burst Pressure (Female)	Part Number Code
		mm	bar				
		inches	psi				
CVV-6,3	M24x2	35	450	1800	1400	1400	
		1.4	6525	26100	20300	20300	
CVV-10	M28x2	34	450	1600	1550	1750	
		1.3	6525	23200	22475	25375	
CVV-12,5	M36x2	42.1	400	1400	1200	1200	
		1.7	5800	20300	17400	17400	
CVV-19	M42x2	48.5	400	1500	1200	1600	
		1.9	5800	21750	17400	23200	
CVV-25	M48x3	55	300	1180	1100	1500	
		2.2	4350	17110	15950	21750	
CVV-31,5	M70x3	85	300	1800	1200	1600	
		3.3	4350	26100	17400	23200	

