

VVS Series

High pressure heavy duty screw connect couplers

Introduction

AKJia's VVS Series screw connect couplers are designed for heavy duty applications involving very high pressures and severe pressure pulse conditions.

Construction

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

Features

- Screw connect design eliminates brinelling
- Can be connected with up to 50 bar residual pressure in the hydraulic circuit
- Bidirectional flow

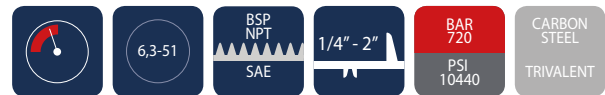
Application

- Hydraulic jacks
- Hydraulic hammers
- Construction plant, mobile equipment, demolition and agricultural industries

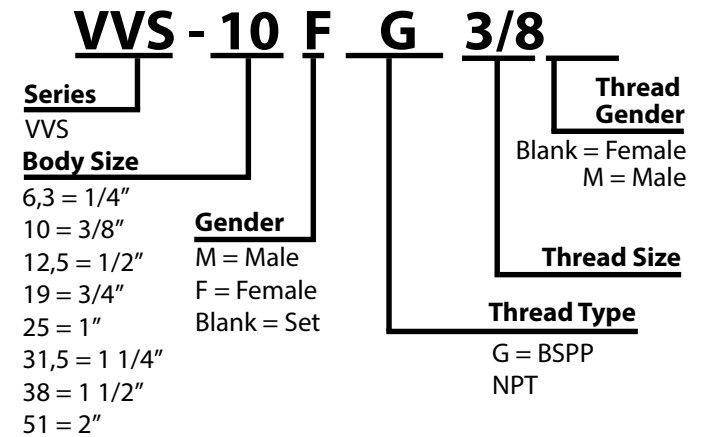


Specifications

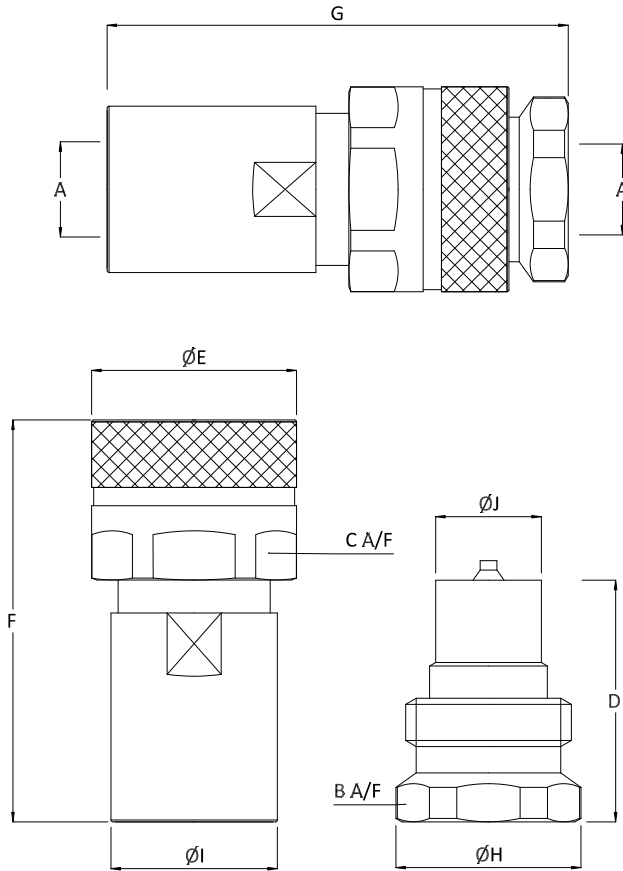
Seal Material	Min. Temp		Max. Temp	
	-40°C	-40°F	106°C	223°F
Nitrile seals*				



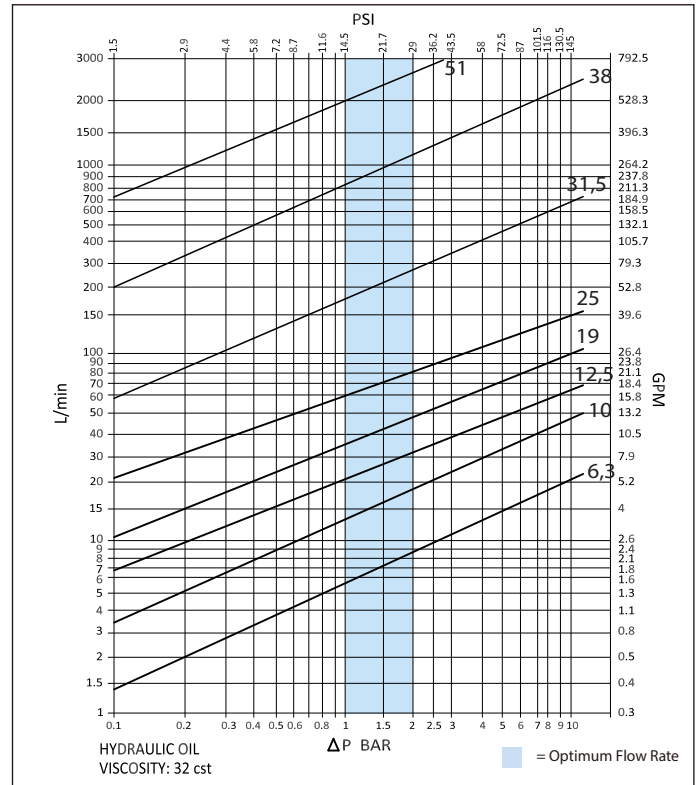
Product Number Naming Rules



Drawing



Pressure Drop Characteristics



Size	Thread Size (A)	B	C	D	ØE	F	G	ØH	ØI	ØJ	Maximum Working Pressure	Burst Pressure (coupled)	Burst Pressure (Male)	Burst Pressure (Female)
Dimensions in mm											Bar			
Dimensions in inches											Psi			
VVS-6,3	1/4"	25	27	43	30	61.5	84.5	27	25	14	800	2500	2400	2400
		1	1.1	1.7	1.2	2.4	3.3	1.1	1	0.6	11600	36250	34800	34800
VVS-10	3/8"	32	36	48.5	39	69	89.5	35	32	19	750	2350	2850	2450
		1.3	1.4	1.9	1.5	2.7	3.5	1.4	1.3	0.7	10875	34075	41325	35525
VVS-12,5	1/2"	34	41	53	44	79	103	38	38	20.5	750	2180	2400	2180
		1.3	1.6	2.1	1.7	3.1	4.1	1.5	1.5	0.8	10875	31610	34800	31610
VVS-19	3/4"	46	50	63	54	97.5	121.5	48.5	44	28	700	2140	2120	2300
		1.8	2	2.5	2.1	3.8	4.8	1.9	1.7	1.1	10150	31030	30740	33350
VVS-25	1"	50	54.5	72.5	59	112.5	139	54	54	31.5	550	1960	1580	2220
		2	2.1	2.9	2.3	4.4	5.5	2.1	2.1	1.2	7975	28420	22910	32190
VVS-31,5	1 1/4"	65	74.5	86	80	139.5	167	70	69.5	44	550	2000	1780	1780
		2.6	2.9	3.4	3.1	5.5	6.6	2.8	2.7	1.7	7975	29000	25810	25810
VVS-38	1 1/2"	80	90	95	98	172	188	83	78.5	53.5	400	1480	1180	1290
		3.1	3.5	3.7	3.9	6.8	7.4	3.3	3.1	2.1	5800	21460	17110	18705
VVS-51	2"	110	123	118.5	127.5	160	228	115.5	105	82	350	1020	1300	1300
		4.3	4.8	4.7	5	6.3	9	4.5	4.1	3.2	5075	14790	18850	18850