



Body Size

3/8" and 1/2"

ISO A-Profile

2000-Series

Medium Pressure



**Technical Description**

Meets the requirements of ISO 7241-1-A. Modular construction: broad choice of end configurations (variety of threads - BSPP and metric). Two valve options: Poppet or ball valving. Push-Pull connection- / disconnection.

**Advantages**

Can be connected with other products complying with the same standard. NBR seals and back-up ring in PTFE to

withstand flow surges at high flow rates. Double acting sleeve (Push-Pull). Ball or three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Chrome 6 free plating.

**Applications**

- Used for a wide variety of agricultural applications
- Mobile and construction equipment
- Industrial equipment

**Working Pressure**

Poppet valve  
3/8" 300 bar  
1/2" 250 bar  
Ball valving  
1/2" 210 bar

**Working Temperature**

-25°C up to +110°C (NBR) depending on the medium.

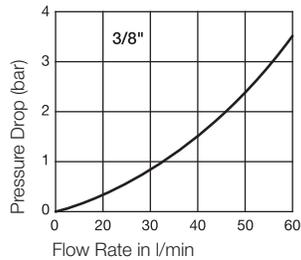
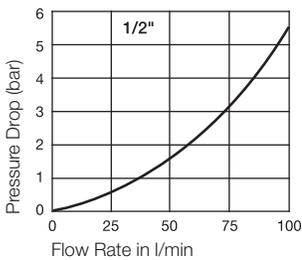
**Applications Area**

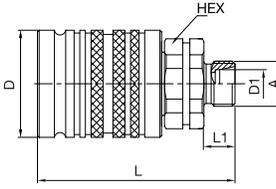
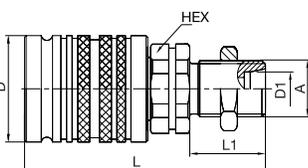
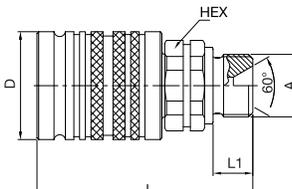
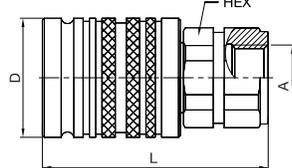


Material Coupling	Standard
Valve Body	Steel, silver plated
Sleeve	Steel, hardened, silver plated
Back-up Ring	Steel
Valve	Steel, silver plated
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel
Back Body	Steel, silver plated
Material Plug	Standard
Plug Body	Steel hardened, silver plated
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated

**Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000**

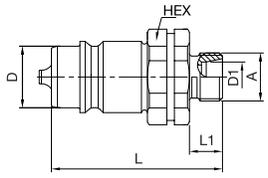
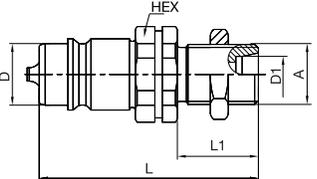
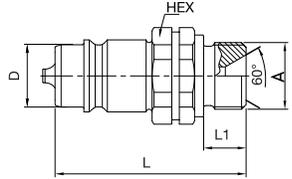
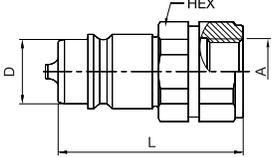
**Poppet Valving**



	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
 <p>Male thread 24° cone – DIN 2353</p>	3/8"	M 14 x 1,5	8	22	62	12	32	315	194	Light	4V53D6X2-D
	3/8"	M 16 x 1,5	10	22	62	12	32	315	196	Light	4V53D6X3-D
	3/8"	M 18 x 1,5	10	22	62	12	32	315	201	Heavy	4V53D7X3-D
	1/2"	M 14 x 1,5									Not continued
	1/2"	M 16 x 1,5	10	27	73,5	12	38	250	286	Light	4V54D6X3-D
	1/2"	M 18 x 1,5	12	27	73,5	12	38	250	288	Light	4V54D6X4-D
	1/2"	M 22 x 1,5	15	27	75,5	14	38	250	290	Light	4V54D6X5-D
	1/2"	M 26 x 1,5	18	27	75,5	14	38	250	294	Light	4V54D6X6-D
	1/2"	M 18 x 1,5	10	27	73,5	12	38	250	289	Heavy	4V54D7X3-D
	1/2"	M 24 x 1,5	16	27	75,5	14	38	250	295	Heavy	4V54D7X6-D
 <p>Male thread 24° cone – DIN 2353 Bulkhead</p>	3/8"	M 16 x 1,5	10	22	76	26	32	315		Light	4V53E6X3-D
	1/2"	M 14 x 1,5	8	27	87	26	38	250	303	Light	4V54E6X2-D
	1/2"	M 16 x 1,5	10	27	87	26	38	250	320	Light	4V54E6X3-D
	1/2"	M 18 x 1,5	12	27	87	26	38	250	320	Light	4V54E6X4-D
	1/2"	M 22 x 1,5	15	27	89	28	38	250	329	Light	4V54E6X5-D
	1/2"	M 26 x 1,5	18	27	89	28	38	250	334	Light	4V54E6X6-D
	1/2"	M 18 x 1,5									Not continued
	1/2"	M 20 x 1,5	12	27	87	26	38	250	330	Heavy	4V54E7X4-D
	1/2"	M 24 x 1,5	16	27	89	28	38	250	340	Heavy	4V54E7X6-D
 <p>Male thread BSPP – DIN 3852 Form B</p>	3/8"	3/8"		22	63	13	32	315			4V53F4B3-D
	1/2"	3/8"		27	74,5	13	38	250	288		4V54F4B3-D
	1/2"	1/2"		27	75,5	14	38	250	290		4V54F4B4-D
 <p>Female thread – DIN 3852 Form Y</p>	3/8"	3/8"		22	63		32	315			4V53G4X3-D
	1/2"	3/8"		27	66		38	250	288		4V54G4X3-D
	1/2"	1/2"		27	66		38	250	271		4V54G4X4-D
	1/2"	1/2"									Not continued
	1/2"	3/4"		32	68		38	250	315		4V54G4X6-D
	1/2"	M 18 x 1,5		27	66		38	250	271		4V54G8X5-D
	1/2"	M 22 x 1,5		27	66		38	250	271		4V54G8X6-D
	1/2"	3/4 UNF		27	98	36,6	38	250			4V54T5X4-D
	1/2"	7/8 UNF		27	101	40,1	38	250			4V54T5X5-D
	1/2"	1/2" NPT									Not continued

# Plugs

# 2000-Series

	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number	
 <p>Male thread 24° cone – DIN 2353</p>	3/8"	M 14 x 1,5									Not continued	
	3/8"	M 16 x 1,5	10	27	52	12	17,3	315	101	Light	4V13D6X3-D	
	3/8"	M 18 x 1,5									Not continued	
	1/2"	M 14 x 1,5	8	27	58,5	12	20,5	250	109	Light	4V14D6X2-D	
	1/2"	M 16 x 1,5	10	27	58,5	12	20,5	250	115	Light	4V14D6X3-D	
	1/2"	M 18 x 1,5	12	27	58,5	12	20,5	250	118	Light	4V14D6X4-D	
	1/2"	M 22 x 1,5	15	27	60,5	14	20,5	250	124	Light	4V14D6X5-D	
	1/2"	M 26 x 1,5	18	27	60,5	14	20,5	250	126	Light	4V14D6X6-D	
	1/2"	M 18 x 1,5	10	27	58,5	12	20,5	250	114	Heavy	4V14D7X3-D	
	1/2"	M 24 x 1,5	16	27	60,5	14	20,5	250	125	Heavy	4V14D7X6-D	
 <p>Male thread 24° cone – DIN 2353 Bulkhead</p>	3/8"	M 16 x 1,5	10	27	66	26	17,3	315		Light	4V13E6X3-D	
	1/2"	M 14 x 1,5									Not continued	
	1/2"	M 16 x 1,5	10	27	72	26	20,5	250	140	Light	4V14E6X3-D	
	1/2"	M 18 x 1,5	12	27	72	26	20,5	250	140	Light	4V14E6X4-D	
	1/2"	M 22 x 1,5	15	27	74	28	20,5	250	156	Light	4V14E6X5-D	
	1/2"	M 26 x 1,5	18	27	74	28	20,5	250	173	Light	4V14E6X6-D	
	1/2"	M 18 x 1,5	10	27	72	26	20,5	250	140	Heavy	4V14E7X3-D	
	1/2"	M 20 x 1,5	12	27	72	26	20,5	250	158	Heavy	4V14E7X4-D	
1/2"	M 24 x 1,5	16	27	74	28	20,5	250	168	Heavy	4V14E7X6-D		
 <p>Male thread BSPP – DIN 3852 Form B</p>	3/8"	3/8"		27	53	13	17,3	315	102		4V13F4B3-D	
	1/2"	3/8"		27	59,5	13	20,5	250	113		4V14F4B3-D	
	1/2"	1/2"		27	60,5	14	20,5	250	122		4V14F4B4-D	
 <p>Female thread – DIN 3852 Form Y</p>	3/8"	3/8"		22	36,5		17,3	315	48		4V13G4X3-D	
	1/2"	3/8"		27	61,5		20,5	250	149		4V14G4X3-D	
	1/2"	1/2"		27	43,5		20,5	250	82		4V14G4X4-D	
	1/2"	1/2"									Not continued	
	1/2"	3/4"		32	63,5		20,5	250	192		4V14G4X6-D	
	1/2"	M 18 x 1,5									Not continued	
	1/2"	M 22 x 1,5		27	43,5		20,5	250	77		4V14G8X6-D	
1/2"	1/2" NPT										Not continued	

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	red	5025-3PR
	1/2"	for coupling	Plastic	see color code	5025-4P <sup>1</sup>
	3/8"	for plug	Plastic	red	5029-3PR
	1/2"	for plug	Plastic	see color code	5029-4P <sup>1</sup>
	1/2"	for coupling	Rubber	black	5205-4M
	1/2"	for plug	Rubber	black	5209-4M
	1/2"	for coupling	Steel		5005-4
	1/2"	for plug	Steel		5009-4

<sup>1</sup> Color code: B = blue/ G = green/ R = red/ O = orange/ Y = yellow/ BL = black