

PBV1 SERIES

ISO B



Technical Data

Nominal size		Max working pressure MPa	Max flow rate l/min	Min burst pressure			Fluid spillage cc
DN	ISO			Probe MPa	Coupler MPa	Coupled MPa	
04	5	50	9	240	230	270	0.5
06	6.3	25	24	110	180	100	1
10	10	25	46	140	140	130	2.4
13	12.5	25	90	110	140	110	3.9
20	20	25	220	100	130	120	11
25	25	25	260	100	110	100	19
39	40	20	757	80	80	80	95
50	50	10	1000	40	40	40	170

APPLICATIONS

Used for a wide range of pneumatic and hydraulic applications such as hand tools and within the food industry.

FEATURES

- Meets ISO 7241-1 B
- Working pressure 100-500 bar




CONSTRUCTION

Occlusion:	Poppet.
Locking:	Radial balls.
Material:	Steel.
Finishing:	Zn-Fe (Cr III).
Standard Seals:	NBR.
Optional Seals:	FKM, EPDM.

TEMPERATURE RANGE

-25°C up to +100°C.

PBV1 - COUPLERS

#	DN			L	D	
			mm	mm	mm	MPa
PBV1.0404.002	04	1/8 BSP Female	17.0	50.6	23.0	50
PBV1.0404.012	04	1/8 NPT Female	17.0	50.6	23.0	50
PBV1.0606.002	06	1/4 BSP Female	19.0	60.0	28.0	25
PBV1.0606.012	06	1/4 NPT Female	19.0	60.0	28.0	25
PBV1.1010.002	10	3/8 BSP Female	22.0	67.2	35.0	25
PBV1.1010.012	10	3/8 NPT Female	22.0	67.2	35.0	25
PBV1.1313.002	13	1/2 BSP Female	27.0	75.7	44.0	25
PBV1.1313.012	13	1/2 NPT Female	27.0	75.7	44.0	25
PBV1.2019.002	20	3/4 BSP Female	34.0	91.5	52.0	25
PBV1.2019.012	20	3/4 NPT Female	34.0	91.5	52.0	25
PBV1.2525.002	25	1 BSP Female	41.0	105.8	60.0	25
PBV1.2525.012	25	1 NPT Female	41.0	105.8	60.0	25
PBV1.3931.002	39	1 1/4 BSP Female	65.0	126.5	79.0	20
PBV1.3931.012	39	1 1/4 NPT Female	65.0	126.5	79.0	20
PBV1.3939.002	39	1 1/2 BSP Female	65.0	126.5	79.0	20
PBV1.3939.012	39	1 1/2 NPT Female	65.0	126.5	79.0	20
PBV1.5051.002	50	2 BSP Female	90.0	142.0	105.0	10
PBV1.5051.012	50	2 NPT Female	90.0	142.0	105.0	10



Please Note: Other threads are available on request.

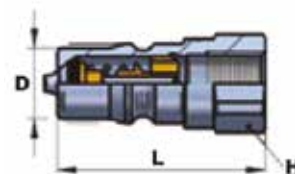


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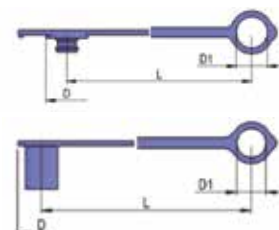
PBV1 - PROBES

#	DN			L	D	
			mm	mm	mm	MPa
PBV1.0404.003	04	1/8 BSP Female	14.0	32.0	10.9	50
PBV1.0404.013	04	1/8 NPT Female	14.0	32.0	10.9	50
PBV1.0606.003	06	1/4 BSP Female	19.0	38.0	14.2	25
PBV1.0606.013	06	1/4 NPT Female	19.0	38.0	14.2	25
PBV1.1010.003	10	3/8 BSP Female	22.0	43.0	19.1	25
PBV1.1010.013	10	3/8 NPT Female	22.0	43.0	19.1	25
PBV1.1313.003	13	1/2 BSP Female	27.0	48.0	23.55	25
PBV1.1313.013	13	1/2 NPT Female	27.0	48.0	23.55	25
PBV1.2019.003	20	3/4 BSP Female	34.0	57.0	31.45	25
PBV1.2019.013	20	3/4 NPT Female	34.0	57.0	31.45	25
PBV1.2525.003	25	1 BSP Female	41.0	65.5	37.77	25
PBV1.2525.013	25	1 NPT Female	41.0	65.5	37.77	25
PBV1.3931.003	39	1 1/4 BSP Female	65.0	127.0	44.49	20
PBV1.3931.013	39	1 1/4 NPT Female	65.0	127.0	44.49	20
PBV1.3939.003	39	1 1/2 BSP Female	65.0	127.0	44.49	20
PBV1.3939.013	39	1 1/2 NPT Female	65.0	127.0	44.49	20
PBV1.5051.003	50	2 BSP Female	90.0	142.0	63.2	10
PBV1.5051.013	50	2 NPT Female	90.0	142.0	63.2	10



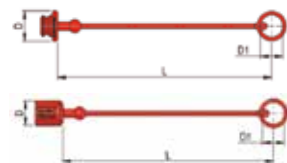
PLASTIC CAPS

Nominal size		Female dust plug				Male dust plug				Colour	Material
DN	ISO	CODE F	D*	L*	D1*	CODE M	D*	L*	D1*		
06	6.3	SPBV.06032	28	125	21	SPBV.06033	28	125	19	Blue	PVC
10	10	SPBV.10032	33	135	25	SPBV.10033	33	130	20	Blue	PVC
13	12.5	SPBV.13032	44	175	32	SPBV.13033	40	165	24	Blue	PVC
20	20	SPBV.20032	52	190	37	SPBV.20033	44	190	31	Blue	PVC
25	25	SPBV.25032	61	230	43	SPBV.25033	53	230	37	Blue	PVC



*Dimensions.

Nominal size		Female dust plug				Male dust plug				Colour	Material
DN	ISO	CODE F	D*	L*	D1*	CODE M	D*	L*	D1*		
06	6.3	SPBV.06002	26	240	23	SPBV.06003	18	240	23	Red	PVC
10	10	SPBV.10002	33	235	25	SPBV.10003	23	240	24	Red	PVC
13	12.5	SPBV.13002	38	240	29	SPBV.13003	29	245	28	Red	PVC
20	20	SPBV.20002	49	240	38	SPBV.20003	36	245	38	Red	PVC
25	25	SPBV.25002	60	245	46	SPBV.25003	44	235	44	Red	PVC



*Dimensions.

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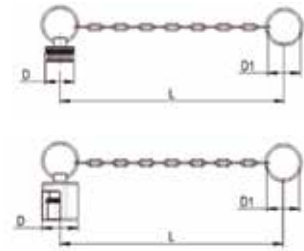
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METAL CAPS

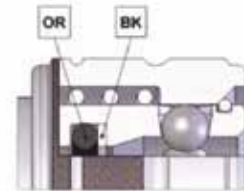
Nominal size		Female dust plug				Male dust plug				Material
DN	ISO	CODE F	D*	L*	D1*	CODE M	D*	L*	D1*	
06	6.3	SPBV.06202	22	210	30	SPBV.06203	22	245	28	Aluminum
06	6.3	-	-	-	-	SPBV.06303	21	265	19	AISI 316
10	10	SPBV.10202	22	155	30	SPBV.10203	27	155	30	Aluminum
13	12.5	SPBV.13202	28	305	41	SPBV.13203	35	265	41	Aluminum
20	20	SPBV.20202	35	265	43	SPBV.13203	42	250	30	Aluminum
25	25	SPBV.25202	44	240	41	SPBV.25203	48	340	49	Aluminum
39	40	SPBV.39202	74	225	46	SPBV.39203	55	225	46	Aluminum
50	50	SPBV.50202	105	350	75	SPBV.50203	80	350	75	Aluminum



* Dimensions.

SPARE PARTS

Nominal size		Female gasket	
DN	ISO	OR (VITON)	BK (PTFE)
04	5	PBV.004.120	PBV.004.130
06	6.3	PBV.006.120	PBV.006.130
10	10	PDV.010.120	PBV.010.130
13	12.5	PBV.013.120	PBV.013.130
20	20	PBV.019.120	PBV.019.130
25	25	PBV.025.120	PBV.025.130
39	40	PBV.039.120	-
50	50	PBV.050.120	-



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