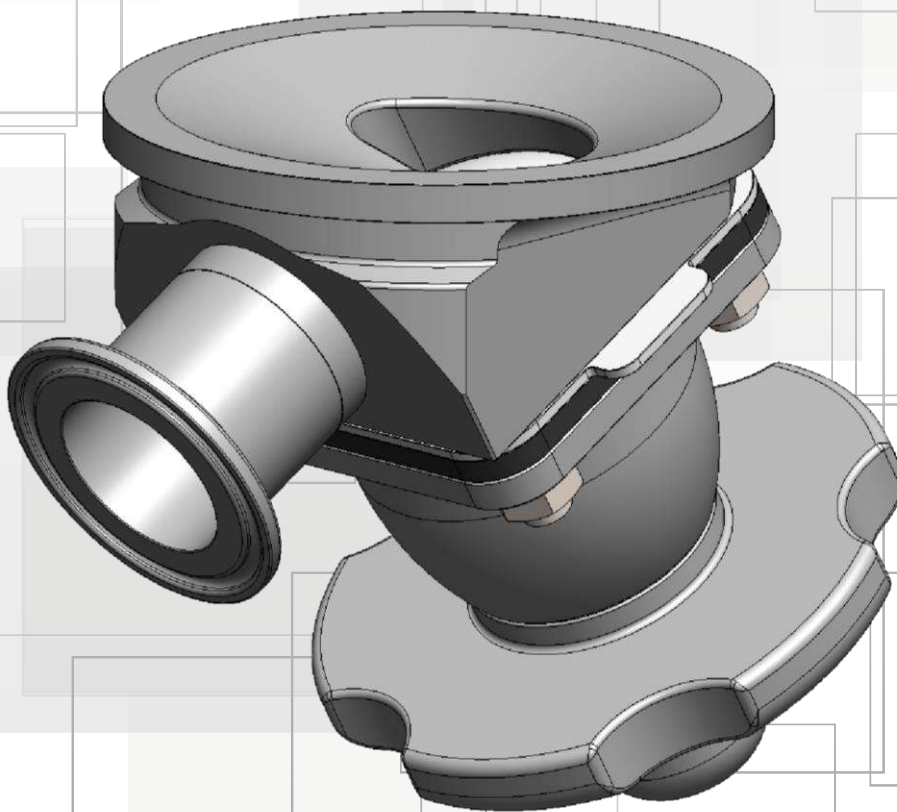


bio-s® Membranbodenablassventil

Handantrieb oder Pneumatikantrieb / Schweissende / Clampende

bio-s® Diaphragm Tank Bottom Valve

Manual or pneumatic actuator / weld end / clamp end



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CH-8196 Wil/ZH

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www.l-ks.com

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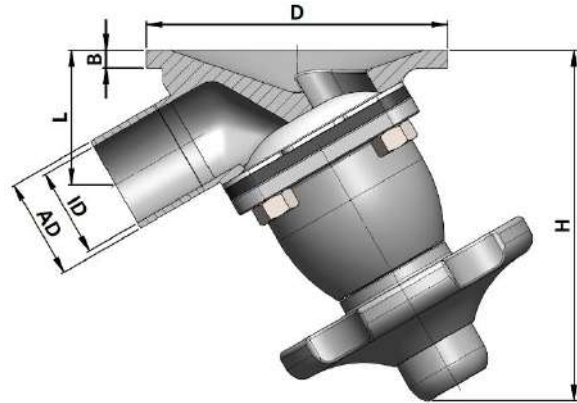
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1 Technische Daten Technical Data

Standard-Baugrößen	• DIN06 – DIN50 • ISO08 – ISO50 • OD½" – OD2½"
Werkstoffe	Produktberührt: • 1.4435 BN2 (316L) • Sonderwerkstoffe z.B. 2.4602, Titan, 1.4539 etc. gem. Bestellschlüssel
Dichtungswerkstoffe	Standard Membranen: • EPDM • PTFE (EPDM mit PTFE Schild) • TFM (EPDM mit TFM Schild)
Oberflächen	Produktberührte Oberflächen: • elektropoliert Ra < 0,6µm • andere Oberflächen gem. Bestellschlüssel Nicht produktberührte Oberflächen: • elektropoliert Ra > 1,6µm
Rückverfolgbarkeit	Alle produktberührten Teile markiert mit Artikelnummer, Werkstoff und Chargennummer
Medien	Gase und Flüssigkeiten
Betriebsdruck	• DIN08 – DIN50 = 10 bar • ISO08 – ISO50 = 10 bar • OD½" – OD2½" = 10 bar
Normen	Rohranschlussmaße (Schweissende): • DIN (DIN11866 Reihe A) • ISO (DIN11866 Reihe B) • OD (DIN11866 Reihe C) Rohranschlussmaße (Clamp Anschluss): • DIN (DIN32676 Reihe A) • ISO (DIN32676 Reihe B) • OD (DIN32676 Reihe C)
Zertifikate	Produktberührende Teile: • EN 10204 / 3.1

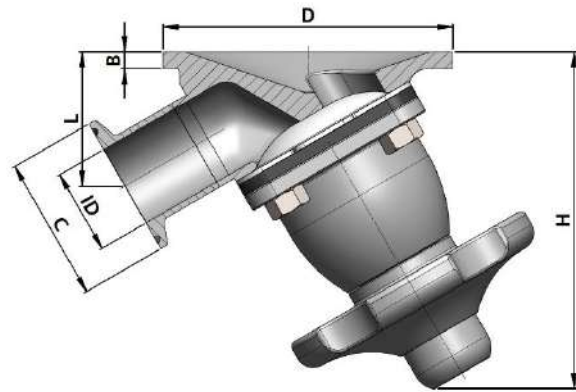
Standard sizes	• DIN06 – DIN50 • ISO08 – ISO50 • OD½" – OD2½"
Material	Medium contacted: • 1.4435 BN2 (316L) • Special materials e.g. 2.4602, Titan, 1.4539 etc. acc. ordering key
Gasket	Standard diaphragm: • EPDM • PTFE (EPDM with PTFE shield) • TFM (EPDM with TFM shield)
Surface quality	Medium contacted: • electro polished Ra < 0,6µm • other qualities acc. ordering key Non medium contacted: • electro polished Ra > 1,6µm
Traceability	Product contacted material marked with article no., material and heat no.
Media	Gases and liquids
Operating pressure	• DIN08 – DIN50 = 10 bar • ISO08 – ISO50 = 10 bar • OD½" – OD2½" = 10 bar
Applicable standards	Pipe dimensions (weld end): • DIN (DIN11866 series A) • ISO (DIN11866 series B) • OD (DIN11866 series C) Pipe dimensions (clamp end): • DIN (DIN32676 row A) • ISO (DIN32676 row B) • OD (DIN32676 row C)
Certification	Medium contacted: • EN 10204 / 3.1

2 bio-s® Membranbodenablassventil manuell (mit Schweissanschluss nach DIN11866) bio-s® Diaphragm Tank Bottom Valve manual (with weld end acc. DIN11866)



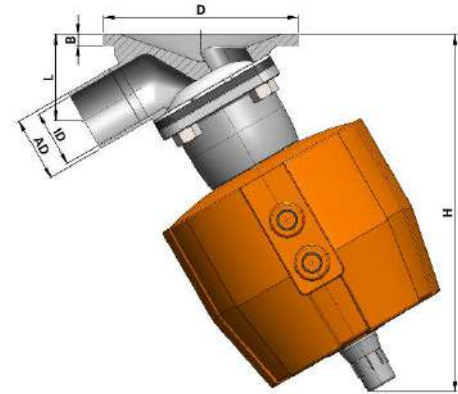
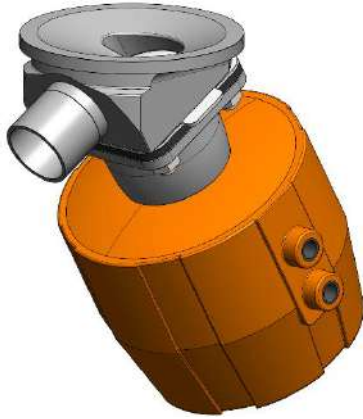
	Größe Size	Artikel-Nr. (EPDM) Article-No. (EPDM)	AD [mm]	ID [mm]	D [mm]	B [mm]	L [mm]	H [mm]
DIN Abmessung DIN Dimension	DIN06	WP.V06.V00.35.0.MM.C	Ø8.00	Ø6.00	Ø60.00	5.00	30.00	52.00
	DIN08	WP.V08.V00.35.0.MM.C	Ø10.00	Ø8.00	Ø60.00	5.00	30.00	52.00
	DIN10	WP.V10.V00.35.0.MM.C	Ø13.00	Ø10.00	Ø60.00	5.00	30.00	52.00
	DIN15	WP.V15.V00.35.0.MM.C	Ø19.00	Ø16.00	Ø65.00	5.60	33.30	76.00
	DIN20	WP.V20.V00.35.0.MM.C	Ø23.00	Ø20.00	Ø101.60	6.00	45.30	118.00
	DIN25	WP.V25.V00.35.0.MM.C	Ø29.00	Ø26.00	Ø101.60	6.00	45.30	118.00
	DIN32	WP.V32.V00.35.0.MM.C	Ø35.00	Ø32.00	Ø158.00	7.00	67.00	145.00
	DIN40	WP.V40.V00.35.0.MM.C	Ø41.00	Ø38.00	Ø158.00	7.00	67.00	145.00
ISO Abmessung ISO Dimension	DIN50	WP.V50.V00.35.0.MM.C	Ø53.00	Ø50.00	Ø178.00	7.00	71.00	173.00
	ISO08	WP.W08.W00.35.0.MM.C	Ø13.50	Ø10.30	Ø60.00	5.00	30.00	52.00
	ISO10	WP.W10.W00.35.0.MM.C	Ø17.20	Ø14.00	Ø65.00	5.60	33.30	76.00
	ISO15	WP.W15.W00.35.0.MM.C	Ø21.30	Ø18.10	Ø65.00	5.60	33.30	76.00
	ISO20	WP.W20.W00.35.0.MM.C	Ø26.90	Ø23.70	Ø101.60	6.00	45.30	118.00
	ISO25	WP.W25.W00.35.0.MM.C	Ø33.70	Ø29.70	Ø101.60	6.00	45.30	118.00
	ISO32	WP.W32.W00.35.0.MM.C	Ø42.40	Ø38.40	Ø158.00	7.00	67.00	145.00
	ISO40	WP.W40.W00.35.0.MM.C	Ø48.30	Ø44.30	Ø158.00	7.00	67.00	145.00
OD Abmessung OD Dimension	ISO50	WP.W50.W00.35.0.MM.C	Ø60.30	Ø56.30	Ø178.00	7.00	71.00	173.00
	OD½"	WP.Y05.Y00.35.0.MM.C	Ø12.70	Ø9.40	Ø60.00	5.00	30.00	52.00
	OD¾"	WP.Y07.Y00.35.0.MM.C	Ø19.05	Ø15.75	Ø65.00	5.60	33.30	76.00
	OD1"	WP.Y10.Y00.35.0.MM.C	Ø25.40	Ø22.10	Ø101.60	6.00	45.30	118.00
	OD1½"	WP.Y15.Y00.35.0.MM.C	Ø38.10	Ø34.80	Ø158.00	7.00	67.00	145.00
	OD2"	WP.Y20.Y00.35.0.MM.C	Ø50.80	Ø47.50	Ø158.00	7.00	67.00	145.00
	OD2½"	WP.Y25.Y00.35.0.MM.C	Ø63.50	Ø60.20	Ø178.00	7.00	71.00	173.00

3 bio-s® Membranbodenablassventil manuell (mit Clampanschluss nach DIN32676) bio-s® Diaphragm Tank Bottom Valve manual (with clamp end acc. DIN32676)



	Größe Size	Artikel-Nr. (EPDM) Article-No. (EPDM)	C [mm]	ID [mm]	D [mm]	B [mm]	L [mm]	H [mm]
DIN Abmessung DIN Dimension	DIN10	WH.V06.V00.35.0.MM.C	ø25.00	Ø6.00	ø60.00	5.00	31.75	52.00
	DIN10	WH.V08.V00.35.0.MM.C	ø25.00	Ø8.00	ø60.00	5.00	31.75	52.00
	DIN10	WH.V10.V00.35.0.MM.C	ø25.00	ø10.00	ø60.00	5.00	31.75	52.00
	DIN15	WH.V15.V00.35.0.MM.C	ø34.00	ø16.00	ø65.00	5.60	35.10	76.00
	DIN20	WH.V20.V00.35.0.MM.C	ø34.00	ø20.00	ø101.60	6.00	47.10	118.00
	DIN25	WH.V25.V00.35.0.MM.C	ø50.50	ø26.00	ø101.60	6.00	47.10	118.00
	DIN32	WH.V32.V00.35.0.MM.C	ø50.50	ø32.00	ø158.00	7.00	56.30	145.00
	DIN40	WH.V40.V00.35.0.MM.C	ø50.50	ø38.00	ø158.00	7.00	56.30	145.00
ISO Abmessung ISO Dimension	DIN50	WH.V50.V00.35.0.MM.C	ø64.00	ø50.00	ø178.00	7.00	60.30	173.00
	ISO08	WH.W08.W00.35.0.MM.C	ø25.00	ø10.30	ø60.00	5.00	31.75	52.00
	ISO10	WH.W10.W00.35.0.MM.C	ø25.00	ø14.00	ø65.00	5.60	35.10	76.00
	ISO15	WH.W15.W00.35.0.MM.C	ø50.50	ø18.10	ø65.00	5.60	35.10	76.00
	ISO20	WH.W20.W00.35.0.MM.C	ø50.50	ø23.70	ø101.60	6.00	47.10	118.00
	ISO25	WH.W25.W00.35.0.MM.C	ø50.50	ø29.70	ø101.60	6.00	47.10	118.00
	ISO32	WH.W32.W00.35.0.MM.C	ø64.00	ø38.40	ø158.00	7.00	56.30	145.00
	ISO40	WH.W40.W00.35.0.MM.C	ø64.00	ø44.30	ø158.00	7.00	56.30	145.00
OD Abmessung OD Dimension	ISO50	WH.W50.W00.35.0.MM.C	ø77.50	ø56.30	ø178.00	7.00	60.30	173.00
	OD½"	WH.Y05.Y00.35.0.MM.C	ø25.00	ø9.40	ø60.00	5.00	31.75	52.00
	OD¾"	WH.Y07.Y00.35.0.MM.C	ø25.00	ø15.75	ø65.00	5.60	35.10	76.00
	OD1"	WH.Y10.Y00.35.0.MM.C	ø50.50	ø22.10	ø101.60	6.00	47.10	118.00
	OD1½"	WH.Y15.Y00.35.0.MM.C	ø50.50	ø34.80	ø158.00	7.00	56.30	145.00
	OD2"	WH.Y20.Y00.35.0.MM.C	ø64.00	ø47.50	ø158.00	7.00	56.30	145.00
	OD2½"	WH.Y25.Y00.35.0.MM.C	ø77.50	ø60.20	ø178.00	7.00	60.30	173.00

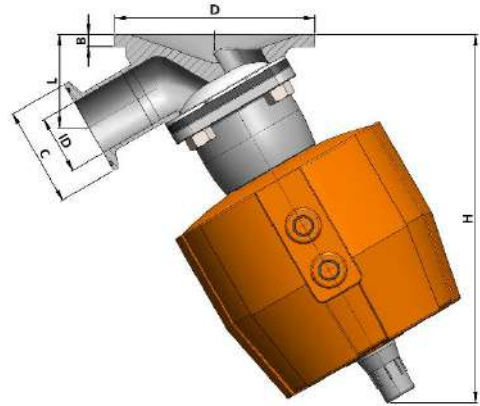
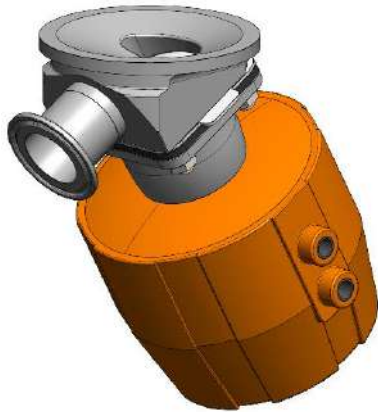
4 **bio-s® Membranbodenablassventil pneumatisch** (mit Schweissanschluss nach DIN11866) **bio-s® Diaphragm Tank Bottom Valve pneumatic** (with weld end acc. DIN11866)



	Größe Size	Artikel-Nr. (EPDM) Article-No. (EPDM)	AD [mm]	ID [mm]	D [mm]	B [mm]	L [mm]	H [mm]
DIN Abmessung DIN Dimension	DIN06*	WP.V06.V00.35.0.MP.C	Ø8.00	Ø6.00	Ø60.00	5.00	30.00	97.00
	DIN08*	WP.V08.V00.35.0.MP.C	Ø10.00	Ø8.00	Ø60.00	5.00	30.00	97.00
	DIN10*	WP.V10.V00.35.0.MP.C	Ø13.00	Ø10.00	Ø60.00	5.00	30.00	97.00
	DIN15	WP.V15.V00.35.0.PP.C	Ø19.00	Ø16.00	Ø65.00	5.60	33.30	139.50
	DIN20	WP.V20.V00.35.0.PP.C	Ø23.00	Ø20.00	Ø101.60	6.00	45.30	189.00
	DIN25	WP.V25.V00.35.0.PP.C	Ø29.00	Ø26.00	Ø101.60	6.00	45.30	189.00
	DIN32	WP.V32.V00.35.0.PP.C	Ø35.00	Ø32.00	Ø158.00	7.00	67.00	262.00
	DIN40	WP.V40.V00.35.0.PP.C	Ø41.00	Ø38.00	Ø158.00	7.00	67.00	262.00
ISO Abmessung ISO Dimension	DIN50	WP.V50.V00.35.0.PP.C	Ø53.00	Ø50.00	Ø178.00	7.00	71.00	276.00
	ISO08*	WP.W08.W00.35.0.MP.C	Ø13.50	Ø10.30	Ø60.00	5.00	30.00	97.00
	ISO10	WP.W10.W00.35.0.PP.C	Ø17.20	Ø14.00	Ø65.00	5.60	33.30	139.50
	ISO15	WP.W15.W00.35.0.PP.C	Ø21.30	Ø18.10	Ø65.00	5.60	33.30	139.50
	ISO20	WP.W20.W00.35.0.PP.C	Ø26.90	Ø23.70	Ø101.60	6.00	45.30	189.00
	ISO25	WP.W25.W00.35.0.PP.C	Ø33.70	Ø29.70	Ø101.60	6.00	45.30	189.00
	ISO32	WP.W32.W00.35.0.PP.C	Ø42.40	Ø38.40	Ø158.00	7.00	67.00	262.00
	ISO40	WP.W40.W00.35.0.PP.C	Ø48.30	Ø44.30	Ø158.00	7.00	67.00	262.00
OD Abmessung OD Dimension	ISO50	WP.W50.W00.35.0.PP.C	Ø60.30	Ø56.30	Ø178.00	7.00	71.00	276.00
	OD½"*	WP.Y05.Y00.35.0.MP.C	Ø12.70	Ø9.40	Ø60.00	5.00	30.00	97.00
	OD¾"	WP.Y07.Y00.35.0.PP.C	Ø19.05	Ø15.75	Ø65.00	5.60	33.30	139.50
	OD1"	WP.Y10.Y00.35.0.PP.C	Ø25.40	Ø22.10	Ø101.60	6.00	45.30	189.00
	OD1½"	WP.Y15.Y00.35.0.PP.C	Ø38.10	Ø34.80	Ø158.00	7.00	67.00	262.00
	OD2"	WP.Y20.Y00.35.0.PP.C	Ø50.80	Ø47.50	Ø158.00	7.00	67.00	262.00
	OD2½"	WP.Y25.Y00.35.0.PP.C	Ø63.50	Ø60.20	Ø178.00	7.00	71.00	276.00

* Pneumatiktrieb aus Edelstahl / Pneumatic actuator in stainless steel

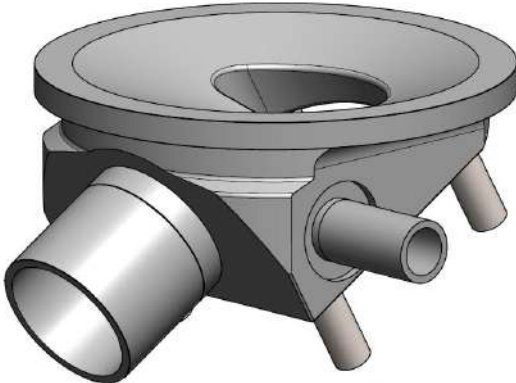
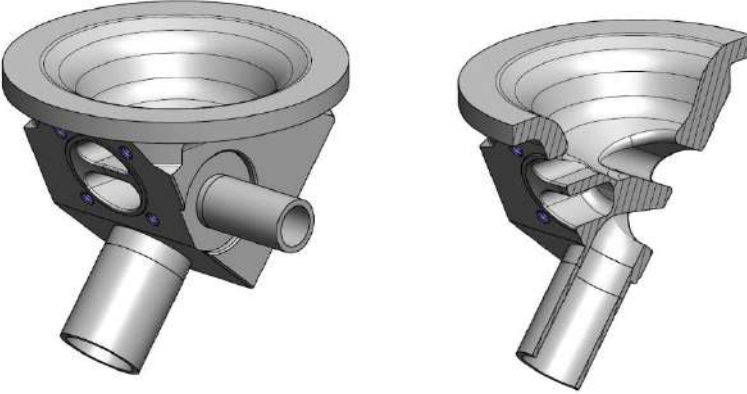
5 bio-s® Membranbodenablassventil pneumatisch (mit Clampanschluss nach DIN32676) bio-s® Diaphragm Tank Bottom Valve pneumatic (with clamp end acc. DIN32676)



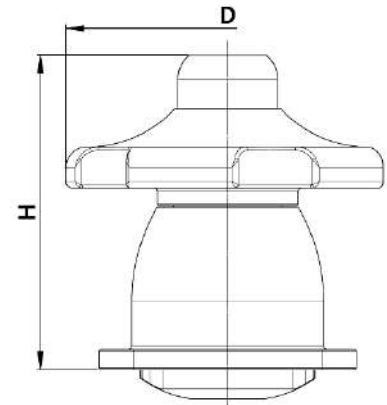
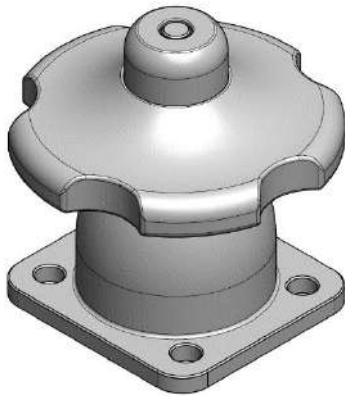
	Größe Size	Artikel-Nr. (EPDM) Article-No. (EPDM)	C [mm]	ID [mm]	D [mm]	B [mm]	L [mm]	H [mm]
DIN Abmessung DIN Dimension	DIN06*	WH.V06.V00.35.0.MP.C	ø25.00	Ø6.00	ø60.00	5.00	31.75	97.00
	DIN08*	WH.V08.V00.35.0.MP.C	ø25.00	Ø8.00	ø60.00	5.00	31.75	97.00
	DIN10*	WH.V10.V00.35.0.MP.C	ø25.00	ø10.00	ø60.00	5.00	31.75	97.00
	DIN15	WH.V15.V00.35.0.PP.C	ø34.00	ø16.00	ø65.00	5.60	35.10	139.50
	DIN20	WH.V20.V00.35.0.PP.C	ø34.00	ø20.00	ø101.60	6.00	47.10	189.00
	DIN25	WH.V25.V00.35.0.PP.C	ø50.50	ø26.00	ø101.60	6.00	47.10	189.00
	DIN32	WH.V32.V00.35.0.PP.C	ø50.50	ø32.00	ø158.00	7.00	56.30	262.00
	DIN40	WH.V40.V00.35.0.PP.C	ø50.50	ø38.00	ø158.00	7.00	56.30	262.00
ISO Abmessung ISO Dimension	DIN50	WH.V50.V00.35.0.PP.C	ø64.00	ø50.00	ø178.00	7.00	60.30	276.00
	ISO08*	WH.W08.W00.35.0.MP.C	ø25.00	ø10.30	ø60.00	5.00	31.75	97.00
	ISO10	WH.W10.W00.35.0.PP.C	ø25.00	ø14.00	ø65.00	5.60	35.10	139.50
	ISO15	WH.W15.W00.35.0.PP.C	ø50.50	ø18.10	ø65.00	5.60	35.10	139.50
	ISO20	WH.W20.W00.35.0.PP.C	ø50.50	ø23.70	ø101.60	6.00	47.10	189.00
	ISO25	WH.W25.W00.35.0.PP.C	ø50.50	ø29.70	ø101.60	6.00	47.10	189.00
	ISO32	WH.W32.W00.35.0.PP.C	ø64.00	ø38.40	ø158.00	7.00	56.30	262.00
	ISO40	WH.W40.W00.35.0.PP.C	ø64.00	ø44.30	ø158.00	7.00	56.30	262.00
OD Abmessung OD Dimension	ISO50	WH.W50.W00.35.0.PP.C	ø77.50	ø56.30	ø178.00	7.00	60.30	276.00
	OD½"	WH.Y05.Y00.35.0.MP.C	ø25.00	ø9.40	ø60.00	5.00	31.75	97.00
	OD¾"	WH.Y07.Y00.35.0.PP.C	ø25.00	ø15.75	ø65.00	5.60	35.10	139.50
	OD1"	WH.Y10.Y00.35.0.PP.C	ø50.50	ø22.10	ø101.60	6.00	47.10	189.00
	OD1½"	WH.Y15.Y00.35.0.PP.C	ø50.50	ø34.80	ø158.00	7.00	56.30	262.00
	OD2"	WH.Y20.Y00.35.0.PP.C	ø64.00	ø47.50	ø158.00	7.00	56.30	262.00
	OD2½"	WH.Y25.Y00.35.0.PP.C	ø77.50	ø60.20	ø178.00	7.00	60.30	276.00

* Pneumatiktrieb aus Edelstahl / Pneumatic actuator in stainless steel

6 bio-s® Membranbodenablassventilkörper (Sonderausführungen)
bio-s® Diaphragm Tank Bottom Valve body (special excetution)

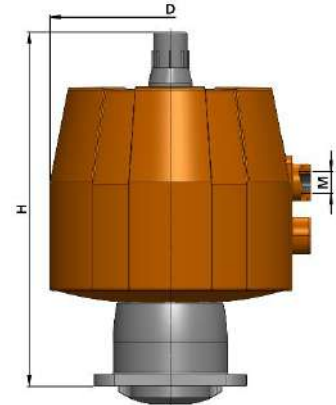
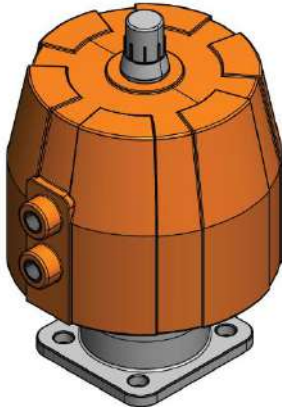
	bio-s® Ventilkörper mit seitlichem SIP / CIP Anschluss bio-s® Valve body with SIP / CIP connection
	bio-s® Ventilkörper mit integriertem Probeentnahmeventil bio-s® Valve body with integratet sampling valve

7 bio-s® Ersatzantriebe manuell bio-s® Spare Actuator manual



	Größe Size	Artikel-Nr. EPDM Article-No. EPDM	Artikel-Nr. PTFE / TFM Article-No. PTFE / TFM	D [mm]	H [mm]
DIN Abmessung DIN Dimension	DIN06	B1.V04.W08.D0.0	B1.V04.W08.D0.0	ø33.70	37.00
	DIN08	B1.V04.W08.D0.0	B1.V04.W08.D0.0	ø33.70	37.00
	DIN10	B1.V04.W08.D0.0	B1.V04.W08.D0.0	ø33.70	37.00
	DIN15	B4.W15.LMB.D1.0	B4.W15.LMB.D1.3	ø58.00	58.00
	DIN20	B4.W25.LMB.D1.0	B4.W25.LMB.D1.3	ø94.50	92.00
	DIN25	B4.W25.LMB.D1.0	B4.W25.LMB.D1.3	ø94.50	92.00
	DIN32	B4.W40.LMB.D1.0	B4.W40.LMB.D1.3	ø120.00	113.00
	DIN40	B4.W40.LMB.D1.0	B4.W40.LMB.D1.3	ø120.00	113.00
ISO Abmessung ISO Dimension	DIN50	B4.W50.LMB.D1.0	B4.W50.LMB.D1.3	ø160.00	131.00
	ISO08	B1.V04.W08.D0.0	B1.V04.W08.D0.0	ø33.70	37.00
	ISO10	B4.W15.LMB.D1.0	B4.W15.LMB.D1.3	ø58.00	58.00
	ISO15	B4.W15.LMB.D1.0	B4.W15.LMB.D1.3	ø58.00	58.00
	ISO20	B4.W25.LMB.D1.0	B4.W25.LMB.D1.3	ø94.50	92.00
	ISO25	B4.W25.LMB.D1.0	B4.W25.LMB.D1.3	ø94.50	92.00
	ISO32	B4.W40.LMB.D1.0	B4.W40.LMB.D1.3	ø120.00	113.00
	ISO40	B4.W40.LMB.D1.0	B4.W40.LMB.D1.3	ø120.00	113.00
OD Abmessung OD Dimension	ISO50	B4.W50.LMB.D1.0	B4.W50.LMB.D1.3	ø160.00	131.00
	OD½"	B1.V04.W08.D0.0	B1.V04.W08.D0.0	ø33.70	37.00
	OD¾"	B4.W15.LMB.D1.0	B4.W15.LMB.D1.3	ø58.00	58.00
	OD1"	B4.W25.LMB.D1.0	B4.W25.LMB.D1.3	ø94.50	92.00
	OD1½"	B4.W40.LMB.D1.0	B4.W40.LMB.D1.3	ø120.00	113.00
	OD2"	B4.W40.LMB.D1.0	B4.W40.LMB.D1.3	ø120.00	113.00
	OD2½"	B4.W50.LMB.D1.0	B4.W50.LMB.D1.3	ø160.00	131.00

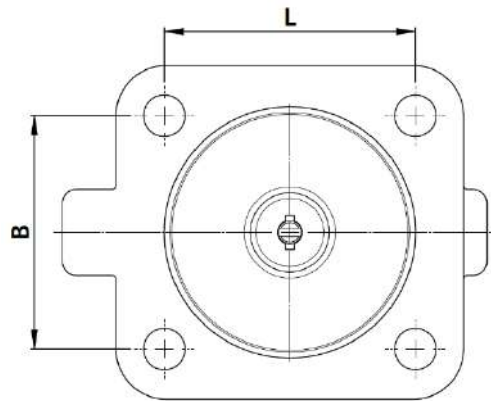
8 bio-s® Ersatzantriebe pneumatisch bio-s® Spare Actuator pneumatic



	Größe Size	Artikel-Nr. EPDM Article-No. EPDM	Artikel-Nr. PTFE / TFM Article-No. PTFE / TFM	D [mm]	H [mm]	M [mm]
DIN Abmessung DIN Dimension	DIN06*	B2.W08.LMB.E3.0	B2.W08.LMB.E3.0	ø54.30	89.00	M5
	DIN08*	B2.W08.LMB.E3.0	B2.W08.LMB.E3.0	ø54.30	89.00	M5
	DIN10*	B2.W08.LMB.E3.0	B2.W08.LMB.E3.0	ø54.30	89.00	M5
	DIN15	B2.W10.W15.GF.E2.0	B2.W10.W15.GF.E2.3	ø96.00	128.00	G½"
	DIN20	B2.W20.W25.GF.E2.0	B2.W20.W25.GF.E2.3	ø120.00	173.00	G½"
	DIN25	B2.W20.W25.GF.E2.0	B2.W20.W25.GF.E2.3	ø120.00	173.00	G½"
	DIN32	B2.W32.W40.GF.E2.0	B2.W32.W40.GF.E2.3	ø180.00	239.00	G¼"
	DIN40	B2.W32.W40.GF.E2.0	B2.W32.W40.GF.E2.3	ø180.00	239.00	G¼"
	DIN50	B2.W50.W50.GF.E2.0	B2.W50.W50.GF.E2.3	ø180.00	240.00	G¼"
ISO Abmessung ISO Dimension	ISO08*	B2.W08.LMB.E3.0	B2.W08.LMB.E3.0	ø54.30	89.00	M5
	ISO10	B2.W10.W15.GF.E2.0	B2.W10.W15.GF.E2.3	ø96.00	128.00	G½"
	ISO15	B2.W10.W15.GF.E2.0	B2.W10.W15.GF.E2.3	ø96.00	128.00	G½"
	ISO20	B2.W20.W25.GF.E2.0	B2.W20.W25.GF.E2.3	ø120.00	173.00	G½"
	ISO25	B2.W20.W25.GF.E2.0	B2.W20.W25.GF.E2.3	ø120.00	173.00	G½"
	ISO32	B2.W32.W40.GF.E2.0	B2.W32.W40.GF.E2.3	ø180.00	239.00	G¼"
	ISO40	B2.W32.W40.GF.E2.0	B2.W32.W40.GF.E2.30	ø180.00	239.00	G¼"
	ISO50	B2.W50.W50.GF.E2.0	B2.W50.W50.GF.E2.3	ø180.00	240.00	G¼"
OD Abmessung OD Dimension	OD½**	B2.W08.LMB.E3.0	B2.W08.LMB.E3.0	ø54.30	89.00	M5
	OD¾"	B2.W10.W15.GF.E2.0	B2.W10.W15.GF.E2.3	ø96.00	128.00	G½"
	OD1"	B2.W20.W25.GF.E2.0	B2.W20.W25.GF.E2.3	ø120.00	173.00	G½"
	OD1½"	B2.W32.W40.GF.E2.0	B2.W32.W40.GF.E2.3	ø180.00	239.00	G¼"
	OD2"	B2.W32.W40.GF.E2.0	B2.W32.W40.GF.E2.3	ø180.00	239.00	G¼"
	OD2½"	B2.W50.W50.GF.E2.0	B2.W50.W50.GF.E2.3	ø180.00	240.00	G¼"

* Edelstahlausführung / Stainless steel edition

9 bio-s® Ventilmembrane bio-s® Diaphragm



	Größe Size	Artikel-Nr. EPDM Article-No. EPDM	Artikel-Nr. PTFE Article-No. PTFE	Artikel-Nr. TFM Article-No. TFM	L [mm]	B [mm]
DIN Abmessung DIN Dimension	DIN06*	20.V04.W08.VA.0	20.V04.W08.VA.0	20.V04.W08.TF.0	22.00	22.00
	DIN08*	20.V04.W08.VA.0	20.V04.W08.VA.0	20.V04.W08.TF.0	22.00	22.00
	DIN10*	20.V04.W08.VA.0	20.V04.W08.VA.0	20.V04.W08.TF.0	22.00	22.00
	DIN15	20.W10.W15.EP.0	20.W10.W15.TE.0	20.W10.W15.TF.0	36.50	33.20
	DIN20	20.W20.W25.EP.0	20.W20.W25.TE.0	20.W10.W15.TF.0	46.00	54.00
	DIN25	20.W20.W25.EP.0	20.W20.W25.TE.0	20.W10.W15.TF.0	54.00	46.00
	DIN32	20.W32.W40.EP.0	20.W32.W40.TE.0	20.W32.W40.TF.0	70.00	65.00
	DIN40	20.W32.W40.EP.0	20.W32.W40.TE.0	20.W32.W40.TF.0	70.00	65.00
	DIN50	20.W50.W50.EP.0	20.W50.W50.TE.0	20.W50.W50.TF.0	82.60	77.80
ISO Abmessung ISO Dimension	ISO08*	20.V04.W08.VA.0	20.V04.W08.VA.0	20.V04.W08.TF.0	22.00	22.00
	ISO10	20.W10.W15.EP.0	20.W10.W15.TE.0	20.W10.W15.TF.0	36.50	33.20
	ISO15	20.W10.W15.EP.0	20.W10.W15.TE.0	20.W10.W15.TF.0	36.50	33.20
	ISO20	20.W20.W25.EP.0	20.W20.W25.TE.0	20.W10.W15.TF.0	54.00	46.00
	ISO25	20.W20.W25.EP.0	20.W20.W25.TE.0	20.W10.W15.TF.0	54.00	46.00
	ISO32	20.W32.W40.EP.0	20.W32.W40.TE.0	20.W32.W40.TF.0	70.00	65.00
	ISO40	20.W32.W40.EP.0	20.W32.W40.TE.0	20.W32.W40.TF.0	70.00	65.00
	ISO50	20.W50.W50.EP.0	20.W50.W50.TE.0	20.W50.W50.TF.0	82.60	77.80
OD Abmessung OD Dimension	OD½"	20.V04.W08.VA.0	20.V04.W08.VA.0	20.V04.W08.TF.0	22.00	22.00
	OD¾"	20.W10.W15.EP.0	20.W10.W15.TE.0	20.W10.W15.TF.0	36.50	33.20
	OD1"	20.W20.W25.EP.0	20.W20.W25.TE.0	20.W10.W15.TF.0	54.00	46.00
	OD1½"	20.W32.W40.EP.0	20.W32.W40.TE.0	20.W32.W40.TF.0	70.00	65.00
	OD2"	20.W32.W40.EP.0	20.W32.W40.TE.0	20.W32.W40.TF.0	70.00	65.00
	OD2½"	20.W50.W50.EP.0	20.W50.W50.TE.0	20.W50.W50.TF.0	82.60	77.80

* EPDM mit PTFE / TFM kaschiert / EPDM lined with PTFE / TFM

10 Bestellschlüssel Ordering Key

1. Artikel / Article

WH	bio-s® Membranbodenablassventil Clampanschluss / bio-plus® Diaphragm Tank Bottom Valve clamp end
WP	bio-s® Membranbodenablassventil Schweissanschluss / bio-plus® Diaphragm Tank Bottom Valve weld end

2. Norm / Standard

V	DIN Abmessung / DIN dimension
W	ISO Abmessung / ISO dimension
Y	OD Abmessung / OD dimension

2.1 Nennweite / Nominal Size

(siehe Rohranschluss-Tabelle 007 /
see table of pipe connections 007)

05	DN05 Nennweite / DN05 Nominal Size
06	DN06 Nennweite / DN06 Nominal Size
08	DN08 Nennweite / DN08 Nominal Size
10	DN10 Nennweite / DN10 Nominal Size
15	DN15 Nennweite / DN15 Nominal Size
20	DN20 Nennweite / DN20 Nominal Size
25	DN25 Nennweite / DN25 Nominal Size
30	DN30 Nennweite / DN30 Nominal Size
32	DN32 Nennweite / DN32 Nominal Size
40	DN40 Nennweite / DN40 Nominal Size
50	DN50 Nennweite / DN50 Nominal Size

3. Norm 2. Anschluss/ Standard

V	DIN Abmessung / DIN dimension
W	ISO Abmessung / ISO dimension
Y	OD Abmessung / OD dimension

3.1 Nennweite / Nominal Size

(siehe Rohranschluss-Tabelle 007 /
see table of pipe connections 007)

00	Ohne Anschluss / with out connection
06	DN06 Nennweite / DN06 Nominal Size
05	DN05 Nennweite / DN05 Nominal Size
08	DN08 Nennweite / DN08 Nominal Size
10	DN10 Nennweite / DN10 Nominal Size
15	DN15 Nennweite / DN15 Nominal Size
20	DN20 Nennweite / DN20 Nominal Size
25	DN25 Nennweite / DN25 Nominal Size
30	DN30 Nennweite / DN30 Nominal Size
32	DN32 Nennweite / DN32 Nominal Size
40	DN40 Nennweite / DN40 Nominal Size
50	DN50 Nennweite / DN50 Nominal Size

4. Material / Material

35	1.4435 BN2 (Standard)
39	1.4539
22	2.4602 (Hastelloy C22)

Befestigungs- & Sicherungselemente aus A2 / Mounting & retaining parts in A2

5. Dichtungsgeometrie / Seal Geometrie

0	EPDM
3	EPDM mit PTFE Schild / EPDM with PTFE shield
5	EPDM mit TFM Schild / EPDM with TFM shield

6. Antriebsart / Type of actuator

MM	Handantrieb Edelstahl / manual actuator stainless steel
PP	Pneumatik Antrieb Kunststoff (PPS) / pneumatic actuator plastic (PPS)
MP	Pneumatik Antrieb Edelstahl / pneumatic actuator stainless steel

7. Oberfläche / Surface

A	Innenoberfläche Ra <0.8µm; electropoliert / Internal Surface <Ra 0.8µm; electropolished
B	Innenoberfläche Ra <0.8µm; metallblank / Internal Surface <Ra 0.8µm; blank
C	Innenoberfläche Ra <0.6µm; electropoliert / Internal Surface <Ra 0.6µm; electropolished
D	Innenoberfläche Ra <0.6µm; metallblankelectropoliert / Internal Surface Ra <0.6µm; blank
E	Innenoberfläche Ra <0.4µm; electropoliert / Internal Surface Ra <0.4µm; electropolished
F	Innenoberfläche Ra <0.4µm; metallblankelectropoliert / Internal Surface Ra <0.4µm; blank

weitere Oberflächen auf Anfrage / other surfaces on request

8. Spezialausführung / Special Execution

SPxx	Ausführung gemäss Kundenspezifikation / Execution according customer specification
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bio-s® Membranbodenablassventil manuell / ISO25 / Schweissende / EPDM Membrane / Oberfläche Ra <0.6µm
bio-plus® Diaphragm Tank Bottom Valve / ISO25 / manual / weld end / EPDM diaphragm / surface Ra <0.6µm

Bestellbeispiel / Ordering example: WP.W25.W00.35.0.MM.C

WP	W25	W00	35	0	MM	C	
1	2	3	4	5	6	7	8

11 Rohranschluss-Tabelle 007

Table of Pipe Connections 007

Nennweite Nominal Size	DIN 11866		
	Reihe A (DIN) Series A (DIN)	Reihe B (ISO) Reihe B (ISO)	Reihe C (OD) Series C (OD)
02			ø6.53x0.89
03			ø9.53x0.89
04	ø6.00x1.00		
05			ø12.70x1.65
06	ø8.00x1.00		
07			ø19.05x1.65
08	ø10.00x1.00	ø13.50x1.60	
10	ø13.00x1.50	ø17.20x1.60	ø25.40x1.65
15	ø19.00x1.50	ø21.30x1.60	ø38.10x1.65
20	ø23.00x1.50	ø26.90x1.60	ø50.80x1.65
25	ø29.00x1.50	ø33.70x2.00	ø63.50x1.65
30			ø76.20x1.65
32	ø35.00x1.50	ø42.40x2.00	
40	ø41.00x1.50	ø48.30x2.00	ø101.60x2.11
50	ø53.00x1.50	ø60.30x2.00	
60			ø152.40x2.77
65	ø70.00x2.00	ø76.10x2.00	
80	ø85.00x2.00	ø88.90x2.30	ø203.20x2.77
100	ø104.00x2.00	ø114.30x2.30	
125	ø129.00x2.00	ø139.70x2.60	
150	ø154.00x2.00	ø168.30x2.6	

Maß- und Konstruktionsänderungen vorbehalten. Revisionsdatum: 06/18
Specifications and design are subject to change without notice. Date of revision: 06/18