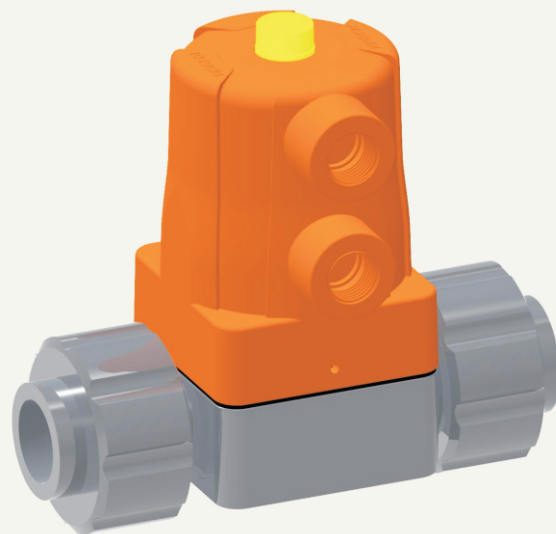


气动隔膜阀 MV300

高性能 低成本



KOSCN Control Valves MV300经济型隔膜阀为紧凑的一体式气动执行器结构，独特的鸭嘴流道设计确保最佳的流通能力。在耐腐蚀的前提下，我们提供多样化材质的选配以保证高性价比的应用。

方便安装和维护

- * 一体化紧凑设计确保在有限的空间安装
- * 全塑的外观结构，无外露金属件和螺栓，美观耐腐蚀
- * 膜片内嵌设计，使之受力匀称，延长寿命
- * 优越的润滑性能，免维护
- * G螺纹双由令，和国际市场阀门保持一致安装长度
- * 集成可视位置反馈，且易于观察
- * 激光刻码，长久使用后标识清晰保证

高安全性能

- * 阀体和气动执行器过压余量设计，保证安全性应用
- * 多种材质可选，可以耐受高温和腐蚀
- * 优化的曲径可以保证阀门在高流速应用时的有效闭合
- * 膜片止挡采用耐高温设计，完善密闭性能

高灵活性

- * 执行机构可选NC、NO、DA
- * 膜片EPDM、FPM、PTFE，选用于水、酸和碱性介质
- * 阀体PVC-U、CPVC、PP-H、PVDF
- * 接口标准有公制、美标、日标
- * 高质量和高可靠性，可实现高操作次数

最佳流通性能

- * 良好的线性流体特性可以实现简单控制
- * 平滑过度的鸭嘴流道，实现比传统隔膜阀的双倍流通能力
- * 适合含有少量颗粒和固体的介质

应用

- * 加药
- * 电子半导体
- * 光伏
- * 集成电路板
- * 水处理
- * 离子回收

+ 技术特性

尺寸	DN 15 (1/2 ")
压力等级	PN 6
阀体	PVC-U (聚氯乙烯) CPVC (氯化聚氯乙烯) PP-H (均聚聚丙烯) PVDF (聚偏二氟乙烯)
膜片	EPDM EPDM-PER FPM FPM-70 PTFE覆合EPDM
壳体	PP-GF 橙黄
连接	双由令G 螺纹标准 PVC-U/CPVC 衬套为插入粘接 PP-H/PVDF 衬套为插入和对口熔接
安装	阀体含有G 螺纹以用于可靠安装
流量	流通能力比市场传统堰坝式阀门更大
标准	DIN 8063 ISO 9393

流通能力

以下流量基于20°C清水介质1bar 压差时数据

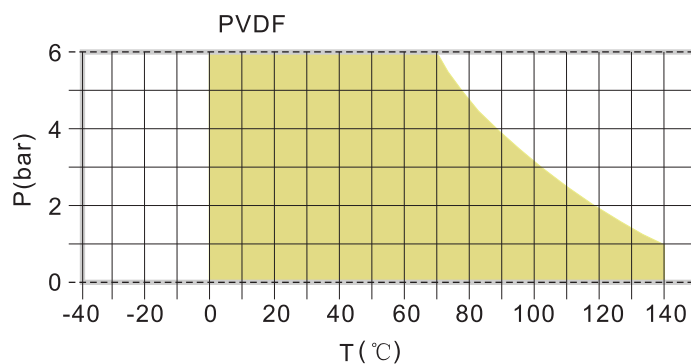
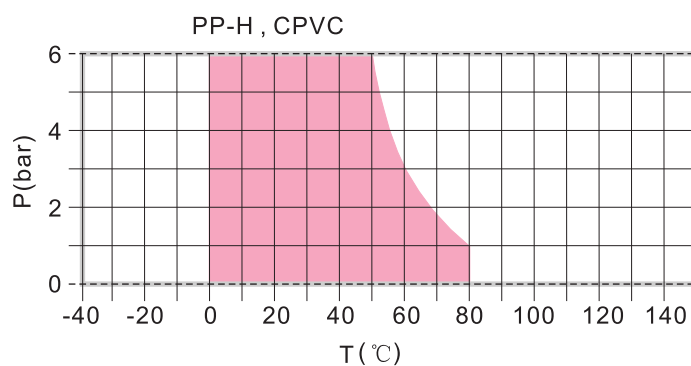
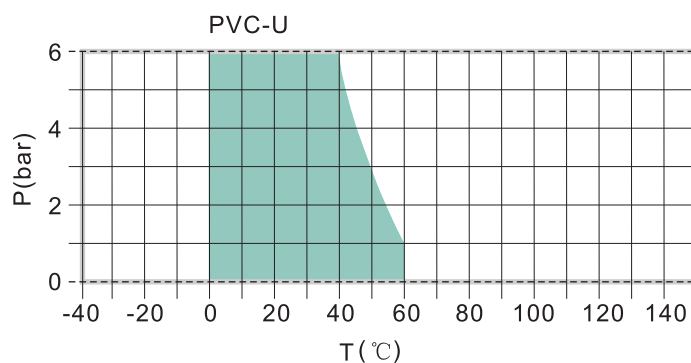
材质	DN	d	inch	Kv 100	
				l/min	m³/h
PVC-U	15	20	1/2 "	125	7,5
CPVC	15	20	1/2 "	125	7,5
PP-H	15	20	1/2 "	125	7,5
PVDF	15	20	1/2 "	125	7,5
V2A1,4571	15	20	1/2 "	90	5,4

$C_v = k_v \times 0,07$; $F_v = k_v \times 0,0585$

Kv (l/min) ; Cv (gal/min) US ; Fv (gal/min) GB

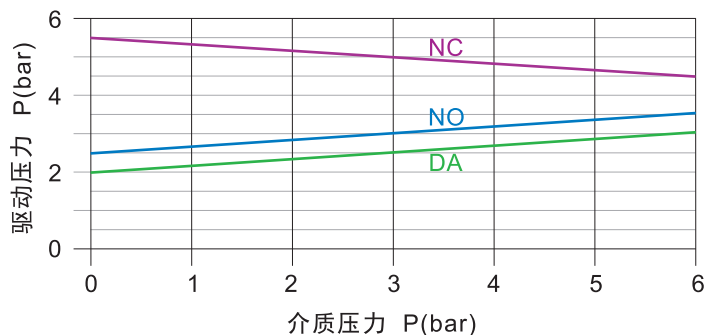
压力/温度曲线

以下温度曲线基于清水类介质及25年寿命

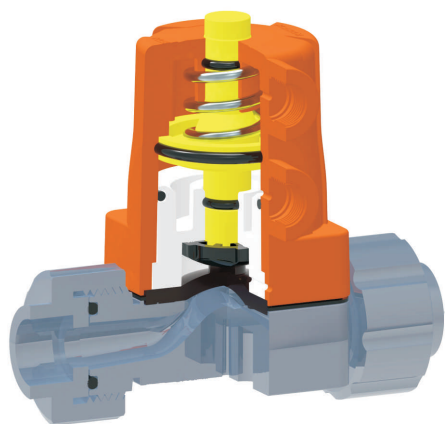


启闭驱动压力

驱动压力空气的输入值, 最大限制 6 bar

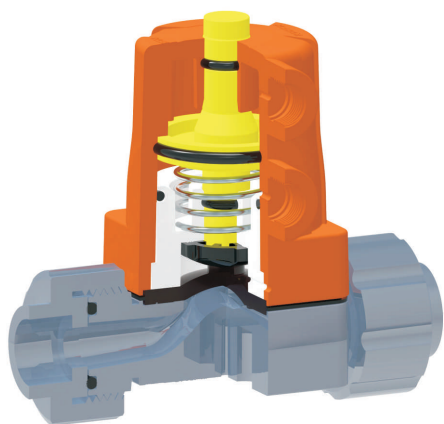


Body PVC-U Actuator variant NC



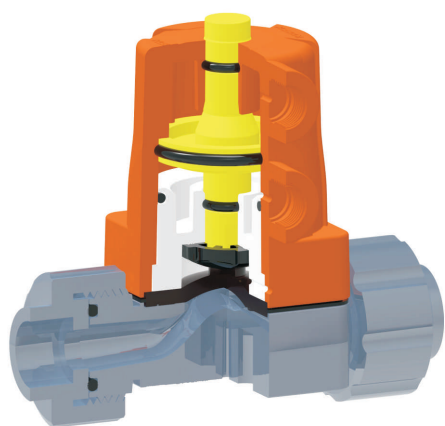
Size	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
Pressure range	PN (bar)	6		
		Diaphragm	Sealing	Ident No.
Connection	PVC-U	EPDM	EPDM	300.012.1020
	Socket DIN	EPDM-PER	EPDM	300.022.1020
		FPM	FPM	300.032.1020
		FPM-70	FPM	300.042.1020
		PTFE	FPM	300.062.1020
	PVC-U	EPDM	EPDM	300.012.1220
	Socket JIS	EPDM-PER	EPDM	300.022.1220
		FPM	FPM	300.032.1220
		FPM-70	FPM	300.042.1220
		PTFE	FPM	300.062.1220
	PVC-U	EPDM	EPDM	300.012.1420
	Socket ANSI	EPDM-PER	EPDM	300.022.1420
		FPM	FPM	300.032.1420
		FPM-70	FPM	300.042.1420
		PTFE	FPM	300.062.1420

Body PVC-U Actuator variant NO



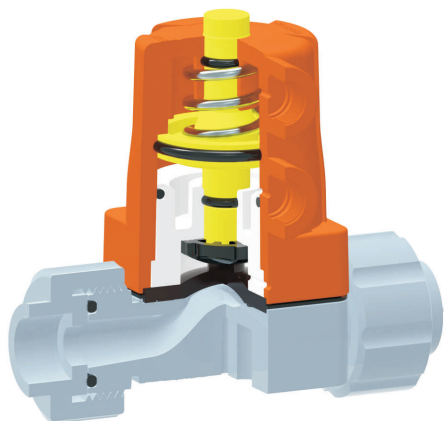
Size	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
Pressure range	PN (bar)	6		
		Diaphragm	Sealing	Ident No.
Connection	PVC-U	EPDM	EPDM	300.014.1020
	Socket DIN	EPDM-PER	EPDM	300.024.1020
		FPM	FPM	300.034.1020
		FPM-70	FPM	300.044.1020
		PTFE	FPM	300.064.1020
	PVC-U	EPDM	EPDM	300.014.1220
	Socket JIS	EPDM-PER	EPDM	300.024.1220
		FPM	FPM	300.034.1220
		FPM-70	FPM	300.044.1220
		PTFE	FPM	300.064.1220
	PVC-U	EPDM	EPDM	300.014.1420
	Socket ANSI	EPDM-PER	EPDM	300.024.1420
		FPM	FPM	300.034.1420
		FPM-70	FPM	300.044.1420
		PTFE	FPM	300.064.1420

Body PVC-U Actuator variant DA



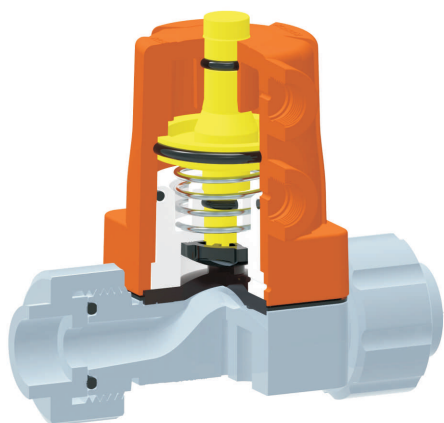
<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PVC-U	EPDM	EPDM	300.016.1020
	Socket DIN	EPDM-PER	EPDM	300.026.1020
		FPM	FPM	300.036.1020
		FPM-70	FPM	300.046.1020
		PTFE	FPM	300.066.1020
	PVC-U	EPDM	EPDM	300.016.1220
	Socket JIS	EPDM-PER	EPDM	300.026.1220
		FPM	FPM	300.036.1220
		FPM-70	FPM	300.046.1220
		PTFE	FPM	300.066.1220
	PVC-U	EPDM	EPDM	300.016.1420
	Socket ANSI	EPDM-PER	EPDM	300.026.1420
		FPM	FPM	300.036.1420
		FPM-70	FPM	300.046.1420
		PTFE	FPM	300.066.1420

Body CPVC Actuator variant NC



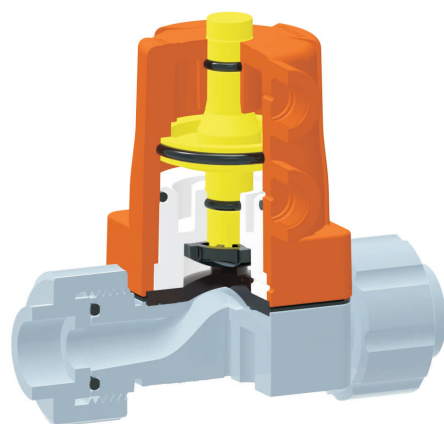
<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	CPVC	EPDM	EPDM	300.212.1020
	Socket DIN	EPDM-PER	EPDM	300.222.1020
		FPM	FPM	300.232.1020
		FPM-70	FPM	300.242.1020
		PTFE	FPM	300.262.1020
	CPVC	EPDM	EPDM	300.212.1220
	Socket JIS	EPDM-PER	EPDM	300.222.1220
		FPM	FPM	300.232.1220
		FPM-70	FPM	300.242.1220
		PTFE	FPM	300.262.1220
	CPVC	EPDM	EPDM	300.212.1420
	Socket ANSI	EPDM-PER	EPDM	300.222.1420
		FPM	FPM	300.232.1420
		FPM-70	FPM	300.242.1420
		PTFE	FPM	300.262.1420

Body CPVC Actuator variant NO



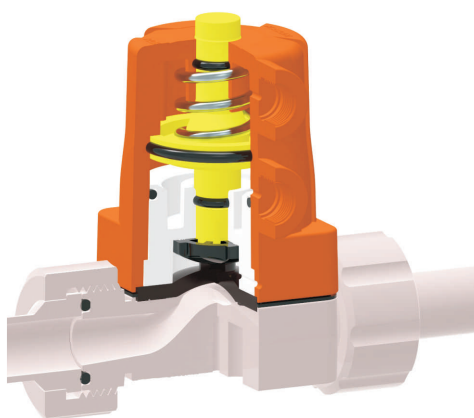
Size	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
Pressure range	PN (bar)	6		
		Diaphragm	Sealing	Ident No.
Connection	CPVC	EPDM	EPDM	300.214.1020
	Socket DIN	EPDM-PER	EPDM	300.224.1020
		FPM	FPM	300.234.1020
		FPM-70	FPM	300.244.1020
		PTFE	FPM	300.264.1020
	CPVC	EPDM	EPDM	300.214.1220
	Socket JIS	EPDM-PER	EPDM	300.224.1220
		FPM	FPM	300.234.1220
		FPM-70	FPM	300.244.1220
		PTFE	FPM	300.264.1220
	CPVC	EPDM	EPDM	300.214.1420
	Socket ANSI	EPDM-PER	EPDM	300.224.1420
		FPM	FPM	300.234.1420
		FPM-70	FPM	300.244.1420
		PTFE	FPM	300.264.1420

Body CPVC Actuator variant DA



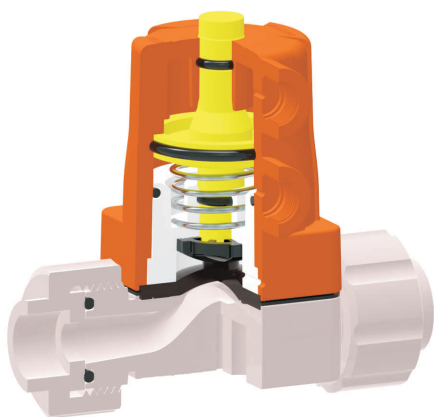
Size	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
Pressure range	PN (bar)	6		
		Diaphragm	Sealing	Ident No.
Connection	CPVC	EPDM	EPDM	300.216.1020
	Socket DIN	EPDM-PER	EPDM	300.226.1020
		FPM	FPM	300.236.1020
		FPM-70	FPM	300.246.1020
		PTFE	FPM	300.266.1020
	CPVC	EPDM	EPDM	300.216.1220
	Socket JIS	EPDM-PER	EPDM	300.226.1220
		FPM	FPM	300.236.1220
		FPM-70	FPM	300.246.1220
		PTFE	FPM	300.266.1220
	CPVC	EPDM	EPDM	300.216.1420
	Socket ANSI	EPDM-PER	EPDM	300.226.1420
		FPM	FPM	300.236.1420
		FPM-70	FPM	300.246.1420
		PTFE	FPM	300.266.1420

Body PP-H Actuator variant NC



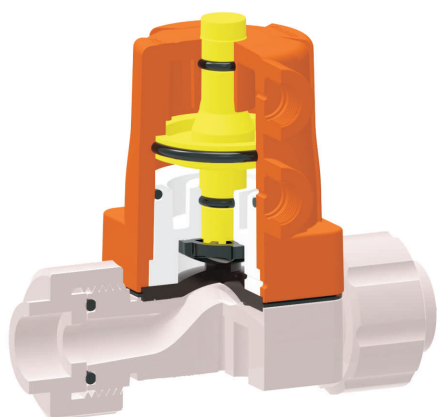
<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PP-H	EPDM	EPDM	300.412.1020
	Socket DIN	EPDM-PER	EPDM	300.422.1020
		FPM	FPM	300.432.1020
		FPM-70	FPM	300.442.1020
		PTFE	EPDM	300.452.1020
		PTFE	FPM	300.462.1020
	PP-H	EPDM	EPDM	300.412.3020
	Spigot DIN	EPDM-PER	EPDM	300.422.3020
		FPM	FPM	300.432.3020
		FPM-70	FPM	300.442.3020
		PTFE	EPDM	300.452.3020
		PTFE	FPM	300.462.3020

Body PP-H Actuator variant NO



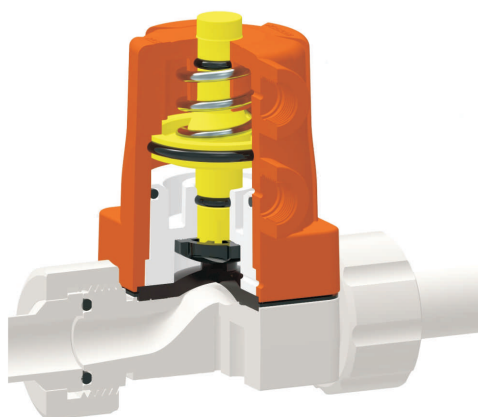
<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PP-H	EPDM	EPDM	300.414.1020
	Socket DIN	EPDM-PER	EPDM	300.424.1020
		FPM	FPM	300.434.1020
		FPM-70	FPM	300.444.1020
		PTFE	EPDM	300.454.1020
		PTFE	FPM	300.464.1020
	PP-H	EPDM	EPDM	300.414.3020
	Spigot DIN	EPDM-PER	EPDM	300.424.3020
		FPM	FPM	300.434.3020
		FPM-70	FPM	300.444.3020
		PTFE	EPDM	300.454.3020
		PTFE	FPM	300.464.3020

Body PP-H Actuator variant DA



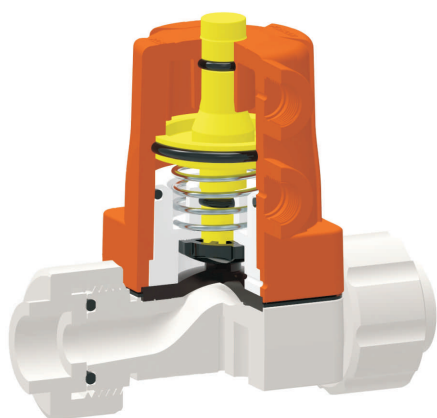
<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PP-H	EPDM	EPDM	300.416.1020
	Socket DIN	EPDM-PER	EPDM	300.426.1020
		FPM	FPM	300.436.1020
		FPM-70	FPM	300.446.1020
		PTFE	EPDM	300.456.1020
		PTFE	FPM	300.466.1020
	PP-H	EPDM	EPDM	300.416.3020
	Spigot DIN	EPDM-PER	EPDM	300.426.3020
		FPM	FPM	300.436.3020
		FPM-70	FPM	300.446.3020
		PTFE	EPDM	300.456.3020
		PTFE	FPM	300.466.3020

Body PVDF Actuator variant NC



<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PVDF	FPM	FPM	300.632.1020
	Socket DIN	FPM-70	FPM	300.642.1020
		PTFE	FPM	300.662.1020
	PVDF	EPDM	EPDM	300.612.3020
	Spigot DIN	EPDM-PER	EPDM	300.622.3020
		FPM	FPM	300.632.3020
		FPM-70	FPM	300.642.3020
		PTFE	EPDM	300.652.3020
		PTFE	FPM	300.662.3020

Body PVDF Actuator variant NO



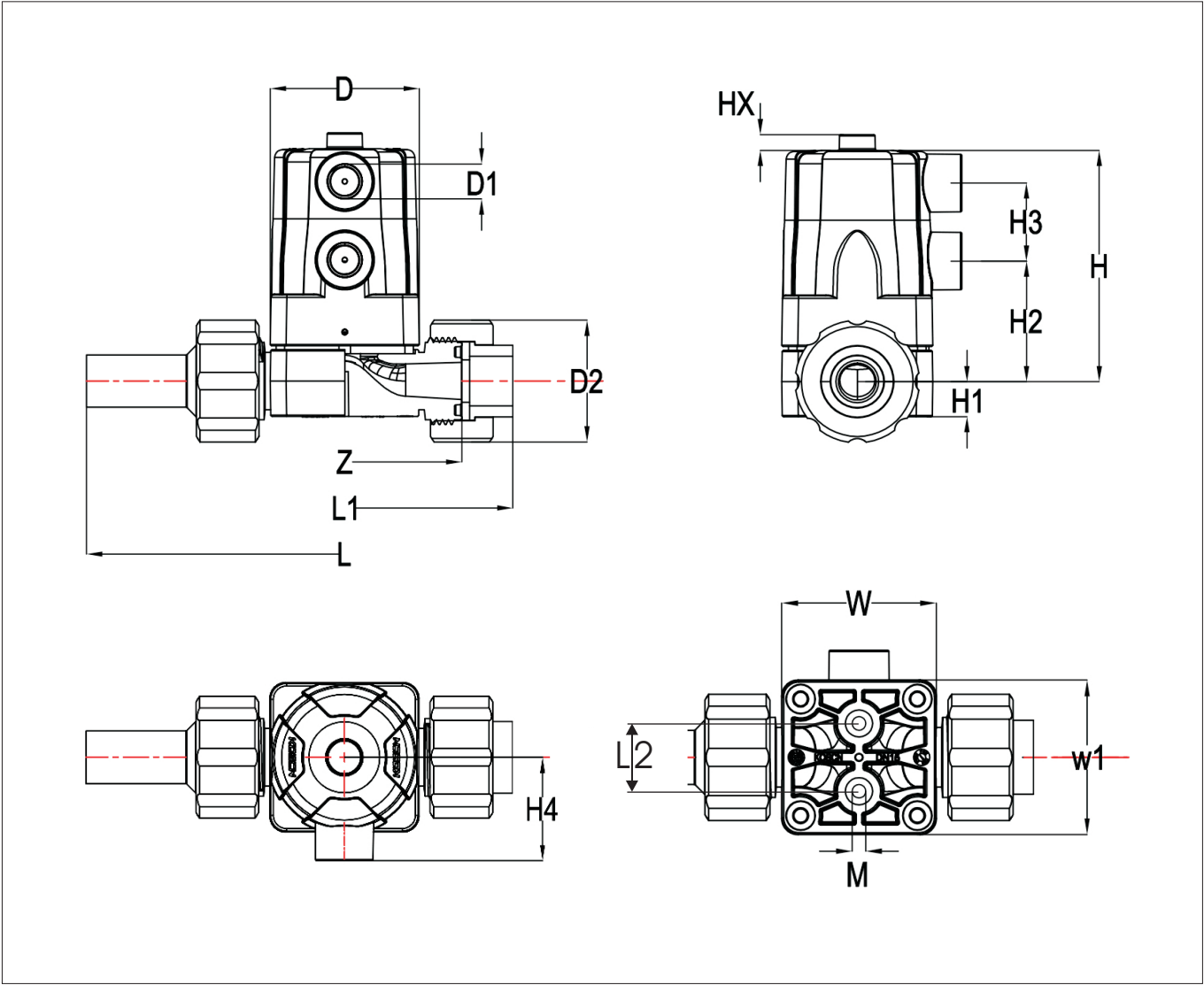
<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PVDF	FPM	FPM	300.634.1020
	Socket DIN	FPM-70	FPM	300.644.1020
		PTFE	FPM	300.664.1020
	PVDF	EPDM	EPDM	300.614.3020
	Spigot DIN	EPDM-PER	EPDM	300.624.3020
		FPM	FPM	300.634.3020
		FPM-70	FPM	300.644.3020
		PTFE	EPDM	300.654.3020
		PTFE	FPM	300.664.3020

Body PVDF Actuator variant DA



<i>Size</i>	d (mm)	20		
	DN (mm)	15		
	DN (inch)	1/2		
<i>Pressure range</i>	PN (bar)	6		
		<i>Diaphragm</i>	<i>Sealing</i>	<i>Ident No.</i>
<i>Connection</i>	PVDF	FPM	FPM	300.636.1020
	Socket DIN	FPM-70	FPM	300.646.1020
		PTFE	FPM	300.666.1020
	PVDF	EPDM	EPDM	300.616.3020
	Spigot DIN	EPDM-PER	EPDM	300.626.3020
		FPM	FPM	300.636.3020
		FPM-70	FPM	300.646.3020
		PTFE	EPDM	300.656.3020
		PTFE	FPM	300.666.3020

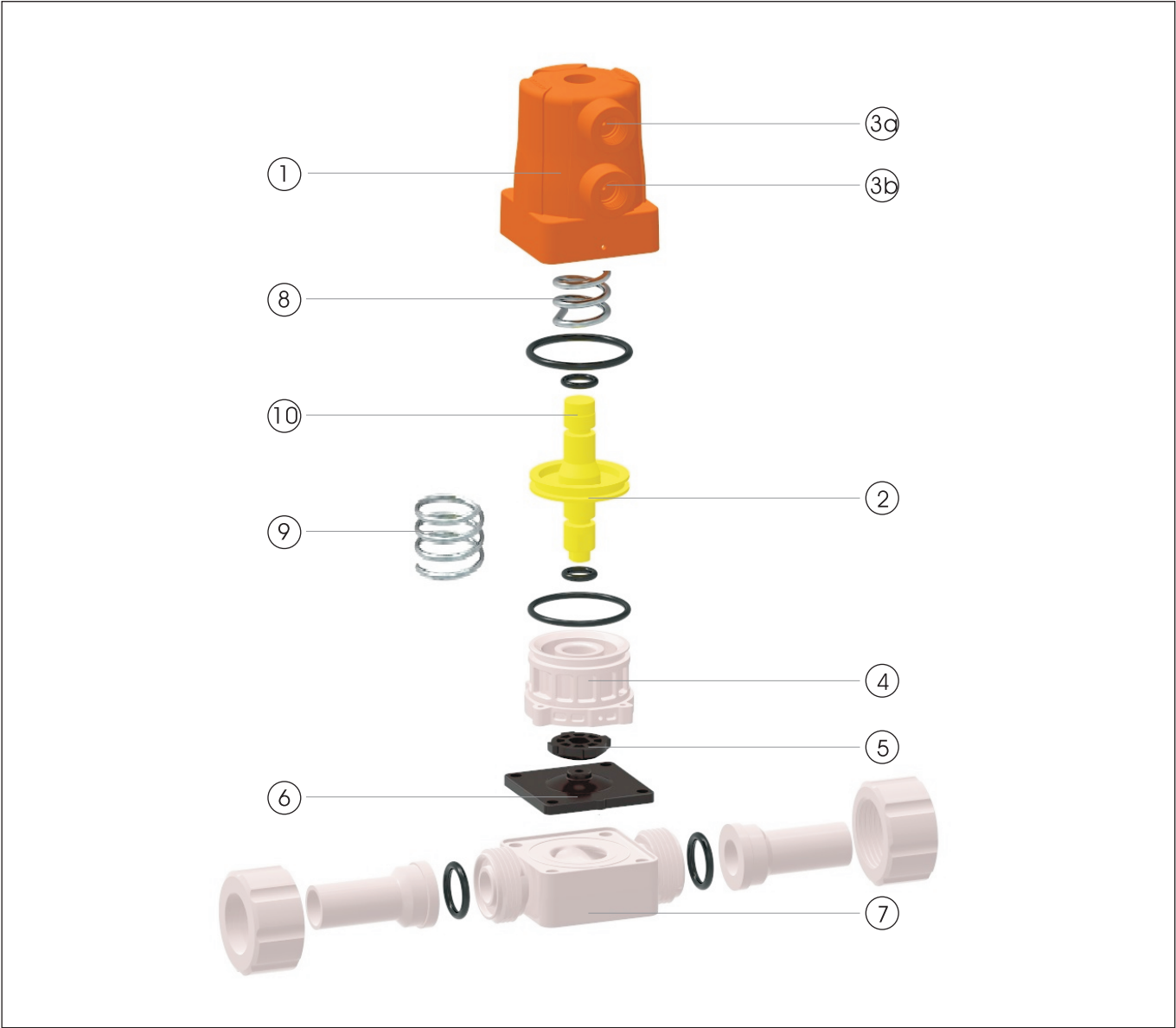
✚ 外形尺寸数据



D	D1_G	D2	H	H1	H2	H3	H4	L	L1	L2	M	Z	W	W1	Lift = Hx
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
57	1/4	46	89	14	46	30	39	198	130	25	6	89	57	57	6

以上尺寸技术数据不具有约束力。它们既不构成明确的特性保证，也不保证永久性不变。将随着产品的改进或升级而改变。
此适用于一般销售条款。

+ 分解图



图号	零件名称	图号	零件名称
1	缸盖	5	隔膜压块
2	活塞	6	隔膜片
3a	NO 进气嘴	7	阀体
3b	NC 进气嘴	8	NC 弹簧
3a+3b	DA 进气嘴	9	NO 弹簧
4	缸盖支撑块	10	阀位指示

