

Technical Data

Type	Capacity at max. back pressure			Max. stroke rate	Pump capacity at max. back pressure		Suction lift	Perm. pre-pressure suction side	Connector Suction/Disc harge Side	Shipping weight
S3Cb	l/h	bar	ml/stroke	Strokes/min	gph (US)	psi	m WC	bar	G-DN	kg
* DN32 plate valves with valve spring										
120145 PVT	182	10	33.7	90	48.0	145	5	2	1 1/2–25	22
120145 SST	182	12	33.7	90	48.0	174	5	2	1 1/2–25	26
120190 PVT	243	10	33.7	120	64.1	145	5	2	1 1/2–25	22
120190 SST	243	12	33.7	120	64.1	174	5	2	1 1/2–25	26
120270 PVT	365	10	33.8	180	96.4	145	5	2	1 1/2–25	22
120270 SST	365	12	33.8	180	96.4	174	5	2	1 1/2–25	26
070410 PVT	500	7	95.1	90	132.0	102	4	1	2–32 *	24
070410 SST	500	7	95.1	90	132.0	102	4	1	2–32 *	29
070580 PVT	670	7	95.1	120	176.9	102	4	1	2–32 *	24
070580 SST	670	7	95.1	120	176.9	102	4	1	2–32 *	29
040830 PVT	1,040	4	95.1	180	274.7	58	3	1	2–32 *	24
040830 SST	1,040	4	95.1	180	274.7	58	3	1	2–32 *	29

Materials in Contact with the Medium

		DN 25 ball valves			DN 32 plate valves			
Identity code of material	Seals	Suction / discharge connection on dosing head DN 25	Valve balls	Valve seats	Suction / discharge connection on dosing head DN 32	Valve plates/valve springs	Valve seats	Integral relief valve
PVT	PTFE	PVDF	Glass	PTFE *	PVDF	Ceramic/Hastelloy C + CTFE **	PTFE	PVDF/FKM or EPDM
SST	PTFE	Stainless steel 1.4581	Stainless steel 1.4404	PTFE *	Stainless steel 1.4581	Stainless steel 1.4404/Hastelloy C	PTFE	Stainless steel/FKM or EPDM
TTT ***	PTFE	PTFE + 25% carbon	Stainless steel 1.4404	PTFE *	PVDF	Ceramic/Hastelloy C + CTFE **	PTFE	-
PVF	PTFE	PVDF	Glass	PVDF	-	-	-	-
SSF	PTFE	Stainless steel 1.4581/1.4404	Stainless steel 1.4404	PVDF	-	-	-	-
SSG	PTFE	Stainless steel 1.4581/1.4404	Stainless steel 1.4404	Stainless steel 1.4404	-	-	-	-
SSH ****	EPDM or FKM	Stainless steel 1.4435	Stainless steel 1.4404	Stainless steel 1.4404	Stainless steel 1.4581	Ceramic/E-CTFE	Stainless steel 1.4404	-
* With design 'F', the ball seat is made of PVDF, only for DN 25 ball valves								
** The valve spring is coated with CTFE (resistance similar to PTFE)								
*** Specifically for areas at risk from explosion								
**** DN 25 and DN 32 designed as ball non-return valve								

Motor Data

Identity code specification		Power supply		Remarks
U	1-phase, IP 65	100 – 230 V ±10 % / 240 V ±6 %	50/60 Hz 420 W	Wide-range voltage power unit

Motors less than 0.75 kW and motors designed for speed-controllable operation are not subject to the IE3 standard in compliance with the Ecodesign Directive 2009/125/EC.