

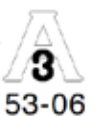


TECHNICAL BULLETIN

Kämmer® Series CleanFlow™ - 191400

Sanitary, Food and Beverage Valves

FCD KMENTB9136-00 09/16



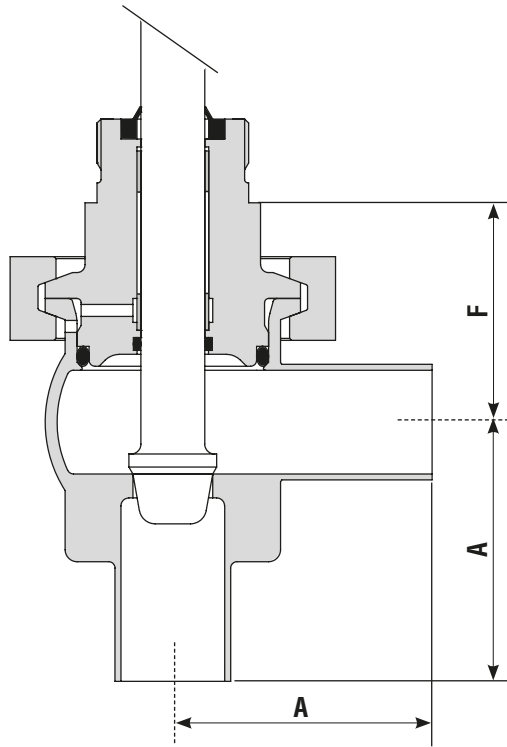
Experience In Motion

						10	15	20	25	32	40	50	65	80	100		
						3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"		
K_{vs} / C_v values																	
	Kvs	Trim#	Cv	Trim#	Seat dia. [mm/in]												
	0.011	3H	0.013	.12H	3 / 0.12	x	x										
	0.017	3G	0.02	.12G	3 / 0.12	x	x										
	0.025	3F	0.029	.12F	3 / 0.12	x	x										
	0.04	3E	0.047	.12E	3 / 0.12	x	x										
	0.063	3D	0.074	.12D	3 / 0.12	x	x										
	0.1	3C	0.12	.12C	3 / 0.12	x	x	x									
	0.16	3B	0.19	.12B	3 / 0.12	x	x	x									
	0.25	3A	0.29	.12A	3 / 0.12	x	x	x									
	0.4	4.5B	0.47	.18B	4,5 / 0.18	x	x	x									
	0.63	4.5A	0.74	.18A	4,5 / 0.18	x	x	x									
	1	7B	1.2	.28B	7 / 0.28	x	x	x									
	1.6	7A	1.9	.28A	7 / 0.28	x	x	x									
	2.5	10	2.9	.40	10 / 0.40		x	x									
	4	12	4.7	.48	12 / 0.48		x	x	x								
	6.3	16	7.4	.63	16 / 0.63			x	x	x							
	10	20	12	.80	20 / 0.80				x	x	x						
	16	25	19	1.00	25 / 1.00					x	x	x					
	25	32	29	1.25	32 / 1.25						x	x	x				
	40	40	47	1.40	40 / 1.40							x	x	x			
	63	50	74	2.00	50 / 2.00								x	x	x		
	100	63	120	2.50	63 / 2.50									x	x	x	
	160	80	190	3.20	80 / 3.20										x	x	
Stroke																	
mm / in						10 / 0.394			20 / 0.787			40 / 1.574					
Pressure Classes																	
PN 16						x											
End Connection Type																	
DIN 11850 Reihe 2 (DN10 - 100) weld ends						x											
DIN 11851 threaded connections (no 3A approval)						x											
APV Flanges						x	-	x	-	x	x	x	x	x	x		
DIN 32676 clamped						x											
ISO 2852 clamped						-			x								
Others on request						x											
Bonnet Type																	
Standard						x											
Surface Finish																	
Ra 0.6µm						x											
Ra 0.5µm						x											
Ra 0.4µm electropolish						x											
Cleaning																	
CIP (Cleaning In Place)						x											
SIP (Sterilization In Place)						x											
Temperature Range																	
-10 °C to +150 °C / 14 °F to 302 °F						x											
Plug Characteristic																	
equal percentage						x											
linear						x											
On-Off						x											
Approvals																	
EHEDG						x											
3A						x											
FDA						x											
PED 97/23						x											
ATEX 94/9						x											

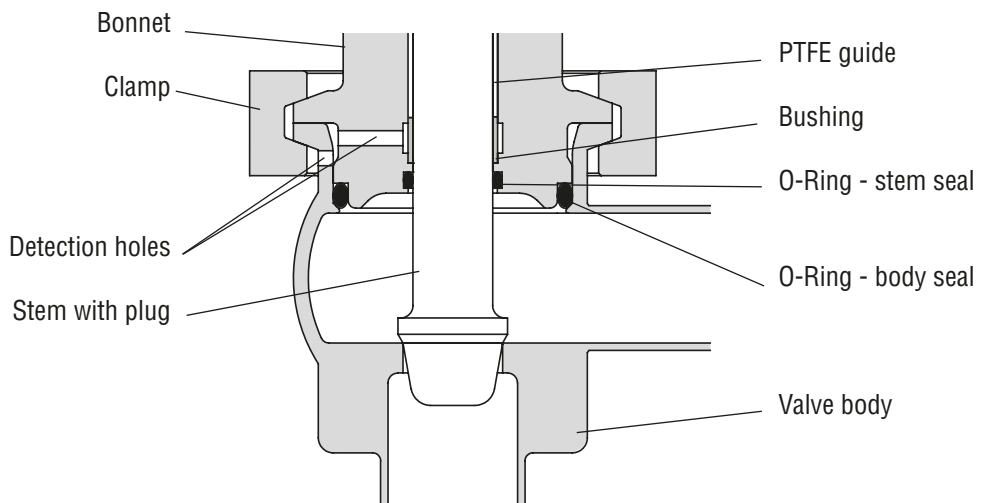
MATERIALS

Body Material		
1.4404 (316L) - 1.4435 upon request		x
Plug Material		
1.4435 (316L)		x
Alloy 6 (optional)		x
Packing		
Silicon O-Ring (FDA)		x
Body Gaskets		
Silicon O-Ring (FDA)		x

DIMENSIONS & WEIGHTS



	10 3/8"	15 1/2"	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 2"	65 2 1/2"	80 3"	100 4"
Dimension A										
DIN 11850 Reihe 2 (DN10 - 100) weld ends	60 / 2.36	60 / 2.36	60 / 2.36	65 / 2.56	70 / 2.76	75 / 2.95	85 / 3.35	100 / 3.94	110 / 4.33	120 / 4.72
DIN 11851 threaded connections	80 / 3.15	80 / 3.15	83 / 3.27	93 / 3.66	101 / 3.98	107 / 4.21	120 / 4.72	140 / 5.51	155 / 6.10	173 / 6.81
APV Flanges	73 / 2.87	-	-	89 / 3.50	-	99 / 3.90	109 / 4.29	124 / 4.88	134 / 5.28	144 / 5.67
Dimension F										
Standard Bonnet	56 / 2.20	56 / 2.20	56 / 2.20	56 / 2.20	56 / 2.20	63 / 2.48	70 / 2.76	77 / 3.03	90 / 3.54	100 / 3.94





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