

KV-L7K, KV-L7N (Direct Mount Standard Type)
 KV-L7KF, KV-L7NF (Direct Mount Fire Safe Type)

DIN PN10-40
 1-PC Body, Flanged Ends, Full Port , Wafer Type

DESIGN FEATURES:

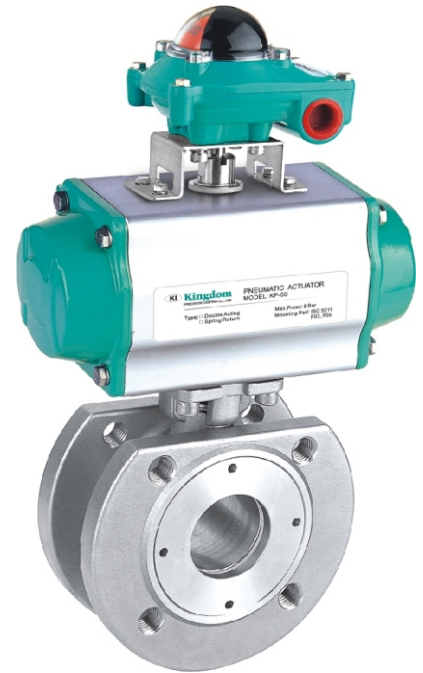
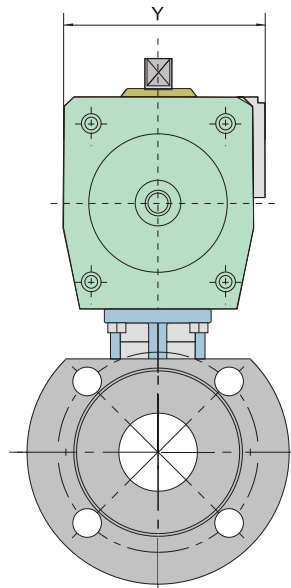
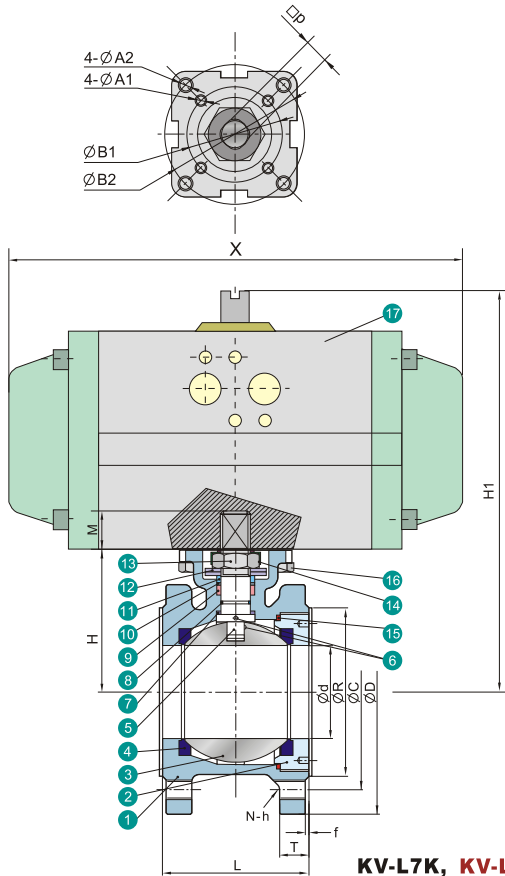
- Built-in ISO 5211 Direct Mounting Pad for Easy Automation
- **Fire Safe** Design Approved
- Anti-static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole in Ball Slot
- **TA-LUFT** Design Approved
- Casting Approved by TÜV AD 2000-Merkblatt W0
- Options: 1. Actuator 2. Limit Switch 3. Positioner

APPLICABLE STANDARDS:

- Design: DIN 3375 / 1, 2. EN12516-1
- Fire Safe: API 607 5th 2005, ISO 10497
- Wall Thickness: EN12516-1
- Flanged Ends: DIN 2501/1, EN1092-1
- Inspection & Testing: DIN 3230/3, EN12266

NO	PART NAME	MATERIALS		
1	Body	1.4408	1.4308	1.0619
2	End Cap	1.4408	1.4308	1.0619
3	Ball	1.4408	1.4308	
4	Ball Seat	TFM1600 / PTFE / RTFE		
5	Stem	SUS 316	SUS 304	
6	Anti-Static Device	SUS 316	SUS 304	
7	Thrust Washer	PTFE		
8	O-Ring	FKM (VITON)		
9	Stem Packing	PTFE / GRAFOIL*		
10	Bushing	50%SS + 50%PTFE / SUS 304*		
11	Gland	SUS 316		
12	Belleville Washer	SUS 301		
13	Stem Nut	A194-8		
14	Stop-lock-Cap	SUS 304		
15	Body Gasket	PTFE / 316 SPIRALWOUND+GRAFOIL*		
16	Hex Bolting	A193-B8		
17	Actuator	Pneumatic KP/ Electric KQ		

*Materials for KV-L7KF, KV-L7NF (Fire-Safe Models)



KV-L7K, KV-L7KF— PN16
KV-L7N, KV-L7NF— PN40

Unit: mm

SIZE	PN	φd	φR	φC	φD	f	T	L	H1	H	M	P	N	h	φA1	φA2	φB1	φB2	X	Y	ISO 5211	P-Actuator	E-Actuator	Pressure
DN15 1/2"	10	15	45	65	95	2	16	42	143	46	9.0	9	4	M12	6	6	36	42	144	72	F03-F04	KP50	KQ006	80PSI
DN20 3/4"	16	20	58	75	105	2	18	44	148	51	9.0	9	4	M12	6	7	36	50	144	72	F03-F05	KP50	KQ006	80PSI
DN25 1"	25	25	68	85	115	2	18	50	172	62	11.0	11	4	M12	6	7	42	50	164	84	F04-F05	KP63	KQ006	80PSI
DN32 1-1/4"	40	32	78	100	140	2	18	60	182	72	11.0	11	4	M16	6	9	42	70	164	84	F04-F07	KP63	KQ006	80PSI
DN40 1-1/2"	40	38	88	110	150	3	18	65	206	78	14.0	14	4	M16	7	9	50	70	208	96	F05-F07	KP75	KQ008	80PSI
DN50 2"	40	50	102	125	165	3	20	80	214	86	14.0	14	4	M16	7	9	50	70	280	96	F05-F07	KP75	KQ008	80PSI
DN65 2-1/2"	10/16 25/40	63.5	122	145	185	3	18 22	110	250	108	17.0	17	4 8	M16	9	11	70	102	247	108	F07-F10	KP88	KQ015	80PSI
DN80 3"	10/16 25/40	76	138	160	200	3	20 24	120	340	116	17.0	17	8	M16	9	11	70	102	268	123	F07-F10	KP100	KQ015	80PSI
DN100 4"	10/16 25/40	95	158	180	220	3	20 24	150	334	139	22.0	22	8	M16 M20	N/A	11	N/A	102	345	151	F10	KP125	KQ020	80PSI
DN125 5"	10/16 25/40	118	188	210	250	3	22 26	180	407	176	27.0	27	8	M16 M24	N/A	14	N/A	125	450	202	F12	KP160	KQ030	80PSI
DN150 6"	10/16 25/40	142	212	240	285	3	22 28	225	423	192	27.0	27	8	M20 M24	N/A	14	N/A	125	545	202	F12	KP160	KQ030	80PSI

KV-L7K, KV-L7N (Direct Mount Standard Type)
KV-L7KF, KV-L7NF (Direct Mount Fire Safe Type)

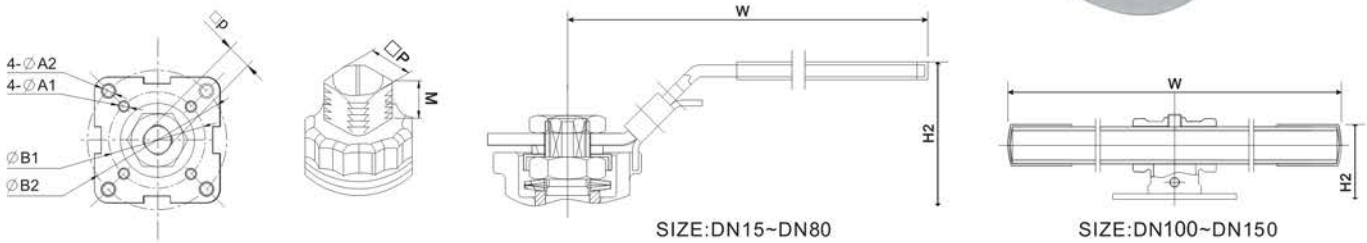
DIN PN 10-40
1-PC Body, Flanged Ends, Full Port, Wafer Type

DESIGN FEATURES:

- Built-in ISO 5211 Direct Mounting Pad for Easy Automation
- **Fire Safe** Design
- Anti-static Devices for Ball-Stem-Body
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- Pressure Balance Hole in Ball Slot
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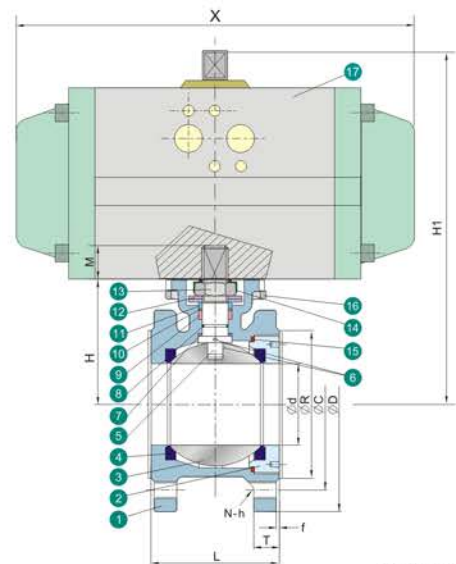
APPLICABLE STANDARDS:

- Design: DIN 3375 / 1, 2. EN12516-1
- Fire Safe: API 607 5th 2005, ISO 10497
- Wall Thickness: EN12516-1
- Flanged Ends: DIN EN1092-1 PN10-PN40
- Inspection & Testing: DIN 3230/3, EN12266



NO.	PART NAME	MATERIALS		
1	Body	1.4408	1.4308	1.0619
2	End Cap	1.4408	1.4308	1.0619
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17	Actuator	Pneumatic KP / Electric KQ		

*Materials for KV-L7KF, KV-L7NF (Fire-Safe Models)



SIZE	PN	φd	φR	φC	φD	f	T	L	H1	H2	W	H	M	P	N	h	φA1	φA2	φB1	φB2	X	ISO 5211	P-Actuator	E-Actuator	Pressure	
DN15	1/2"	10-40	15.0	45	65	95	2	9	42	143	77	145	46.0	9	9	4	M12	6	6	36	42	144	F03-F04	KP50	KQ006	80PSI
DN20	3/4"	10-40	20.0	58	75	105	2	9	44	148	85	145	51.0	9	9	4	M12	6	7	36	50	144	F04-F05	KP50	KQ006	80PSI
DN25	1"	10-40	25.0	68	85	115	2	9	50	172	94	175	62.0	11	11	4	M12	6	7	42	50	164	F04-F05	KP63	KQ006	80PSI
DN32	1-1/4"	10-40	32.0	78	100	140	2	12	60	182	104	175	72.0	11	11	4	M16	6	9	42	70	164	F05-F07	KP63	KQ006	80PSI
DN40	1-1/2"	10-40	38.0	88	110	150	3	13	65	206	114	196	78.0	14	14	4	M16	7	9	50	70	208	F05-F07	KP75	KQ008	80PSI
DN50	2"	10-40	50.0	102	125	165	3	20	80	214	120	196	86.0	14	14	4	M16	7	9	50	70	280	F05-F07	KP75	KQ008	80PSI
DN65	2-1/2"	10/16 25/40	63.5	122	145	185	3	18 22	110 113	250	158	265	108.0	17	17	4 8	M16	9	11	70	102	247	F07-F10	KP88	KQ015	80PSI
DN80	3"	10/16 25/40	76.0	138	160	200	3	20 24	120 154	340	165	265	116.0	17	17	8	M16	9	11	70	102	268	F07-F10	KP100	KQ015	80PSI
DN100	4"	10/16 25/40	95.0	158 162	180 190	220 235	3	20 24	150 154	334	182	400	139.0	22	22	8	M16 M20	N/A	11	N/A	102	345	F10	KP125	KQ020	80PSI
DN125	5"	10/16 25/40	118.0	188	210 220	250 270	3	22 26	180	407	224	800	176.0	27	27	8	M16 M24	N/A	14	N/A	125	450	F12	KP160	KQ030	80PSI
DN150	6"	10/16 25/40	142.0	212 218	240 250	285 300	3	22 28	225	423	268	800	192.0	27	27	8	M20 M24	N/A	14	N/A	125	545	F12	KP160	KQ030	80PSI

Unit: mm

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KV-L7N, KV-L7NF - PN40