EHTT Series

EVOTEK Multiway Ball Valves

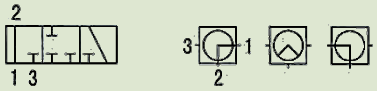
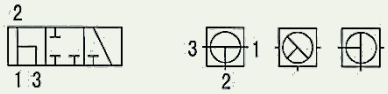
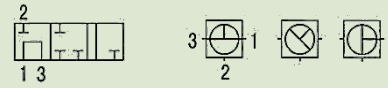
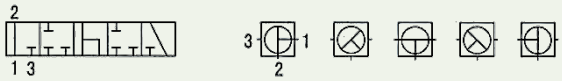
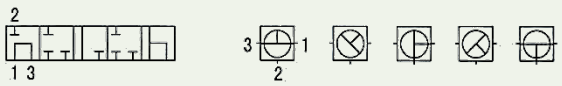
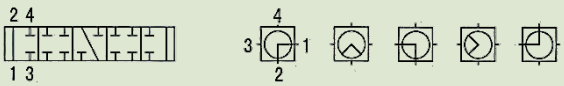
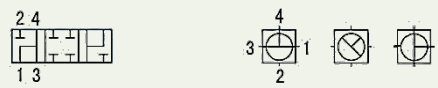
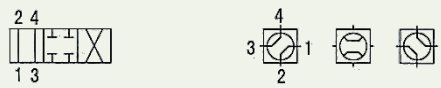
Product Description

- Operating pressure up to 500 bar
- DN up to 25
- Application in hydraulics, particularly in construction industry and agricultural machinery, mining industry
- All ball valves can be supplied with the following options: Actuator, Limit controls & Lock

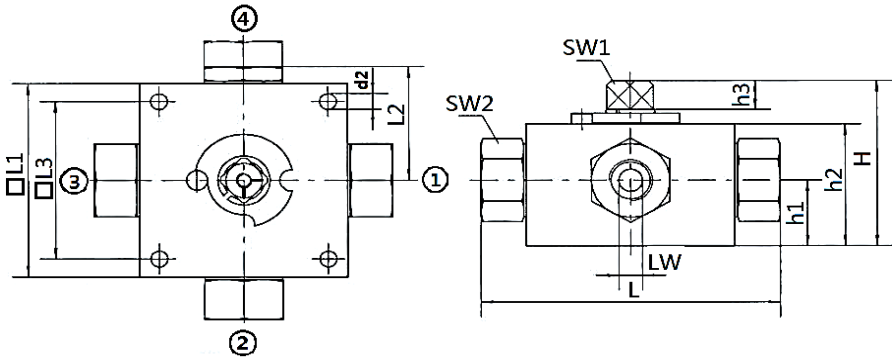
Technical Specifications

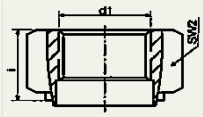
Application:	In-line assembly
Standard Connections Styles:	Female BSP thread (DIN ISO 228)
	Female NPT thread (ANSI B1.20.1)
	Female UN/UNF thread (SAE J 514)
	24° Cone Connection light Series (DIN 2353 / ISO 8434-1)
	24° Cone Connection Heavy Series(DIN 2353 / ISO 8434-1)
Construction:	Block body design
Type of construction:	Shut-off device is a ball
Nominal pressure:	PN 315 bar up to PN 500 bar (according to dimension table)
Operating fluids:	Oils, petroliferous and petrochemical products
Operating temperature range:	-20°C to 100°C
Standard Material	
Body:	Carbon Steel
Ball:	Carbon Steel
Stem:	Carbon Steel
Lever:	Zinc Alloy Bent (DN 06 to 25)
	Steel Straight (DN 06 to 25)
	Steel Bent (DN 32 to 50)
Ball seat:	POM
O-rings:	NBR/FKM

Function diagram

Model	Ball bore	Operation	Order no.	Functions
EHTT3	L	90° operation angle 45° closed	P01	
	T	90° operation angle 45° closed	P02	
	T	90° operation angle	P03	
	T	180° operation angle	P04	
	T	180° operation angle	P05	
	T	180° operation angle	P06	
EHTT4	L	180° operation angle	P07	
	T	90° operation angle	P08	
	T	180° operation angle	P09	
	X	90° operation angle	P10	

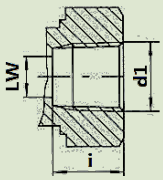
Technical Drawings and Dimension
EHTT





ISO 228 Female thread

Type	DN	LW			RA	d1	d2	I	L	L1	L2	L3	H	h1	h2	h3	SW1	SW2	PN（bar）
		L	T	X															
EHTT3/4-G1/8	04	5	5	4.5	-	G1/8	6.5	10	100	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-G1/4	06	5	5	4.5	-	G1/4	6.5	14	100	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-G3/8	10	9	9	7	-	G3/8	6.5	14	115	80	46	65	68	27	50	12	14	30	500
EHTT3/4-G1/2	12	12	12	10	-	G1/2	9	16	135	100	56	80	78	31	60	12	14	36	400
EHTT3/4-G3/4	20	18	18	14	-	G3/4	9	18	144	100	58	85	93.5	36	73	14	17	46	315
EHTT3/4-G1	25	23	23	17	-	G1	9	20.5	172	118	68.5	85	102.5	47.5	82	14	17	50	315
EHTT3/4-G1 1/4	25/32	23	23	17	-	G1 1/4	9	22	180	118	68.5	85	102.5	47.5	82	14	17	55	315

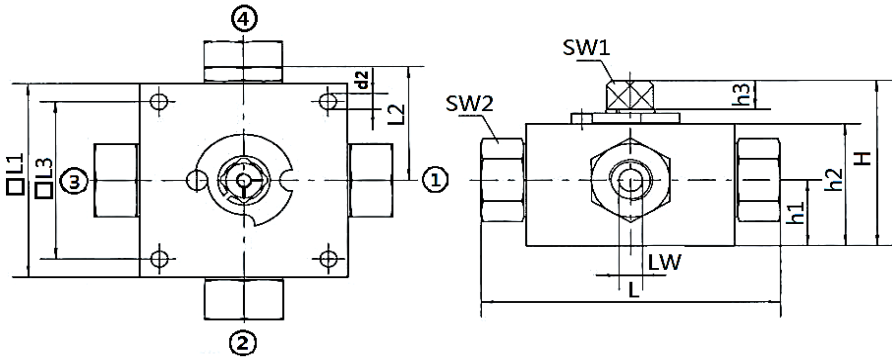


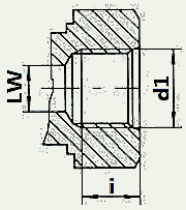
ANSI B1.20.1 NPT female thread

型号	DN	LW			RA	d1	d2	I	L	L1	L2	L3	H	h1	h2	h3	SW1	SW2	PN（bar）
		L	T	X															
EHTT3/4-1/4NPT	06	5	5	4.5	-	1/4NPT	6.5	14	100	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-3/8NPT	10	9	9	7	-	3/8NPT	6.5	14	115	80	46	65	68	27	50	12	14	30	500
EHTT3/4-1/2NPT	12	12	12	10	-	1/2NPT	9	17	135	100	56	80	78	31	60	12	14	36	400
EHTT3/4-3/4NPT	20	18	18	14	-	3/4NPT	9	19	144	100	58	85	93.5	36	73	14	17	46	315
EHTT3/4-1NPT	25	23	23	17	-	1NPT	9	22.5	172	118	68.5	85	102.5	47.5	82	14	17	50	315
EHTT3/4-1¼NPT	25/32	23	23	17	-	1¼NPT	9	22.5	180	118	68.5	85	102.5	47.5	82	14	17	55	315

Technical Drawings and Dimension

EHTT

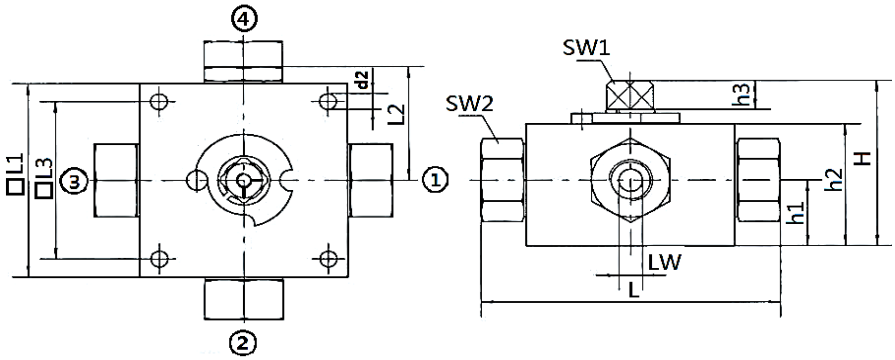


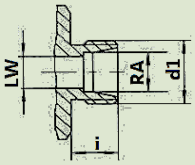


SAE J 5/4 UN/UNF Female thread

型号	DN	LW			RA	d1	d2	I	L	L1	L2	L3	H	h1	h2	h3	SW1	SW2	PN（bar）
		L	T	X															
EHTT3/4-SAE4	06	5	5	4.5	-	7/16-20UNF	6.5	12	100	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-SAE6	10	9	9	7	-	9/16-18UNF	6.5	13	115	80	46	65	68	27	50	12	14	30	500
EHTT3/4-SAE8	12	12	12	10	-	3/4-16UNF	9	15	135	100	56	80	78	31	60	12	14	36	400
EHTT3/4-SAE12	20	18	18	14	-	1 1/16-12UN	9	20	144	100	58	85	93.5	36	73	14	17	46	315
EHTT3/4-SAE16	25	23	23	17	-	1 5/16-12UN	9	20	172	118	68.5	85	102.5	47.5	82	14	17	50	315
EHTT3/4-SAE20	25/32	23	23	17	-	1 5/8-12UN	9	20	180	118	68.5	85	102.5	47.5	82	14	17	55	315

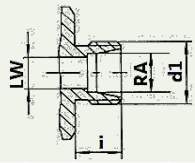
Technical Drawings and Dimension
EHTT





DIN 2353
Light range

Type	DN	LW			RA	d1	d2	I	L	L1	L2	L3	H	h1	h2	h3	SW1	SW2	PN (bar)
		L	T	X															
EHTT3/4-06LR	04	5	5	4.5	06	M12x1.5	6.5	10	105	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-08LR	06	5	5	4.5	08	M14x1.5	6.5	10	105	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-10LR	08	9	9	7	10	M16x1.5	6.5	11	114	80	46	65	68	27	50	12	14	30	500
EHTT3/4-12LR	10	9	9	7	12	M18x1.5	6.5	11	114	80	46	65	68	27	50	12	14	30	500
EHTT3/4-15LR	12	12	12	10	15	M22x1.5	9	12	136	100	56	80	78	31	60	12	14	36	400
EHTT3/4-18LR	12	12	12	10	18	M26x1.5	9	12	136	100	56	80	78	31	60	12	14	36	400
EHTT3/4-22LR	20	18	18	14	22	M30x2	9	14	143	100	58	85	93.5	36	73	14	17	46	315
EHTT3/4-28LR	25	23	23	17	28	M36x2	9	14	166	118	68.5	85	102.5	47.5	82	14	17	50	315
EHTT3/4-35LR	25/32	23	23	17	35	M45x2	9	16	170	118	68.5	85	102.5	47.5	82	14	17	50	315



DIN 2353
Heavy range

Type	DN	LW			RA	d1	d2	I	L	L1	L2	L3	H	h1	h2	h3	SW1	SW2	PN (bar)
		L	T	X															
EHTT3/4-08SR	04	5	5	4.5	08	M16x1.5	6.5	12	105	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-10SR	06	5	5	4.5	10	M18x1.5	6.5	12	105	70	42.5	55	57	22	40	11	12	24	500
EHTT3/4-12SR	08	9	9	7	12	M20x1.5	6.5	12	116	80	46	65	68	27	50	12	14	30	500
EHTT3/4-14SR	10	9	9	7	14	M22x1.5	6.5	14	120	80	46	65	68	27	50	12	14	30	500
EHTT3/4-16SR	12	12	12	10	16	M24x1.5	9	14	140	100	56	80	78	31	60	12	14	36	400
EHTT3/4-20SR	12	12	12	10	20	M30x1.5	9	16	144	100	56	80	78	31	60	12	14	36	400
EHTT3/4-25SR	20	18	18	14	25	M36x2	9	18	151	100	58	85	93.5	36	73	14	17	46	315
EHTT3/4-30SR	25	23	23	17	30	M42x2	9	20	176	118	68.5	85	102.5	47.5	82	14	17	50	315
EHTT3/4-38SR	25/32	23	23	17	38	M52x2	9	22	180	118	68.5	85	102.5	47.5	82	14	17	55	315

EVOTEK Multiway Ball Valves

Order Codes

Ball Valve Series	A	-	Type of connection	-	B	-	C	-	D	-	E	F	G
EHTT	3	-	G3/8	-	P01	-	B	-	02	-	C	C	M

Select the code for each ball valve feature according to your requirements and place it in the sequence (see example above) to create the corresponding product order code.

A SIZE

3	
4	

B Porting pattern

P01	see Function diagram
P02	
P03	
P04	
P05	
P06	
P07	
P08	
P09	
P10	

C O-Ring Material

B	NBR
V	FKM
E	EPDM

D Lever Options

02	Zinc Alloy Bent (DN 06 to 25)
03	Steel Straight (DN 06 to 25)
04	Steel Bent (DN 32 to 50)

E Body and Connection Material

C	Carbon Steel
S	Stainless Steel

F Ball / Stem Material

C	Carbon Steel
S	Stainless Steel

G Ball Seat Material

M	POM
E	PTFE
K	PEEK