

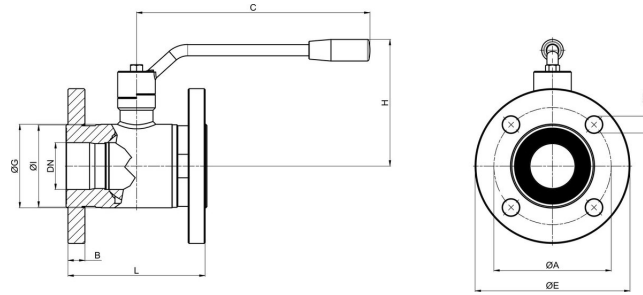
Stainless steel flanged ball valve Type BA489-LLD



Design type	Full port ball valve with floating ball, full bore passage
Actuation	by 90° rotation of the hand lever
Connection	rotatable flanges according to EN1092-1
Materials	Housing Stainless steel AISI316L polished, Ball Stainless steel AISI316L, Stainless steel hand lever 1.4307 plasticized, Ball seal MPTFE, Spindle seal PTFE, O-ring EPDM
Application range	Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used.
Medium temperature	-20...+150°C
Mounting type	Installation in rigid piping system
Mounting position	any
Special version	Hand lever with shut-off device
Approvals	Mill test certificate 3.1 ATEX II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135°C Db



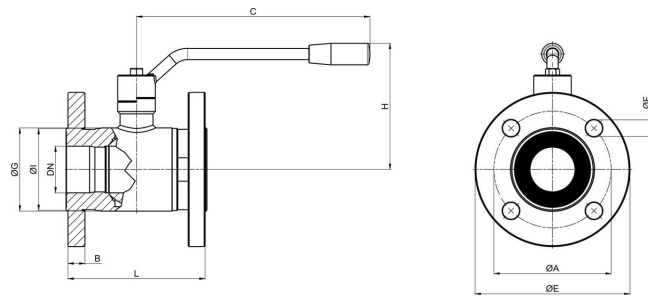
Dimensions DN15



Nominal size DN[mm]	Flange according to EN1092-1	max. Operating pressure [bar]	A	B	C	ØE	F	ØG	H	ØI	L	Kv value [m ³ /h]	Weight [approx. kg]	Type
15	PN40	40	65	12	125	95	4 x Ø14	35	74	34	115	20	1,8	BA489-15-LLD-A3C
3301.V90-QM79 3301.V90-QM141 3301.V90-QM109 3301.V90-QM110 3301.V90-QM37 3301.V90-QM140 3301.V90-QM142 3301.V90-QM113 3301.V90-QM114 3301.V90-QM115 3301.V90-QM116 3301.V90-QM143 3301.V90-QM119 3302.V90-QM79 3302.V90-QM141 3302.V90-QM109 3302.V90-QM110 3302.V90-QM37 3302.V90-QM140 3302.V90-QM142 3302.V90-QM113 3302.V90-QM114 3302.V90-QM115 3302.V90-QM116 3302.V90-QM143 3302.V90-QM119 3303.V90-QM79 3303.V90-QM141 3303.V90-QM109 3303.V90-QM110 3303.V90-QM37 3303.V90-QM140 3303.V90-QM142 3303.V90-QM113 3303.V90-QM114 3303.V90-QM115 3303.V90-QM116 3303.V90-QM143 3303.V90-QM119 3304.V90-QM79 3304.V90-QM141 3304.V90-QM109 3304.V90-QM110 3304.V90-QM37 3304.V90-QM140 3304.V90-QM142 3304.V90-QM113 3304.V90-QM114 3304.V90-QM115 3304.V90-QM116 3304.V90-QM143 3304.V90-QM119 3305.V90-QM79 3305.V90-QM141 3305.V90-QM109 3305.V90-QM110 3305.V90-QM37 3305.V90-QM140 3305.V90-QM142 3305.V90-QM113 3305.V90-QM114 3305.V90-QM115 3305.V90-QM116 3305.V90-QM143 3305.V90-QM119 3306.V90-QM79 3306.V90-QM141 3306.V90-QM109 3306.V90-QM110 3306.V90-QM37 3306.V90-QM140 3306.V90-QM142 3306.V90-QM113 3306.V90-QM114 3306.V90-QM115 3306.V90-QM116 3306.V90-QM143 3306.V90-QM119 3307.V90-QM79 3307.V90-QM141 3307.V90-QM109 3307.V90-QM110 3307.V90-QM37 3307.V90-QM140 3307.V90-QM142 3307.V90-QM113 3307.V90-QM114 3307.V90-QM115 3307.V90-QM116 3307.V90-QM143 3307.V90-QM119 3308.V90-QM79 3308.V90-QM141 3308.V90-QM109 3308.V90-QM110 3308.V90-QM37 3308.V90-QM140 3308.V90-QM142 3308.V90-QM113 3308.V90-QM114 3308.V90-QM115 3308.V90-QM116 3308.V90-QM143 3308.V90-QM119 3309.V90-QM79 3309.V90-QM141 3309.V90-QM109 3309.V90-QM110 3309.V90-QM37 3309.V90-QM140 3309.V90-QM142 3309.V90-QM113 3309.V90-QM114 3309.V90-QM115 3309.V90-QM116 3309.V90-QM143 3309.V90-QM119 3310.V90-QM79 3310.V90-QM141 3310.V90-QM109 3310.V90-QM110 3310.V90-QM37 3310.V90-QM140 3310.V90-QM142 3310.V90-QM113 3310.V90-QM114 3310.V90-QM115 3310.V90-QM116 3310.V90-QM143 3310.V90-QM119 2612.V90-QM02 2612.V90-QM12 2661.V90-QM83 2661.V90-QM84 2661.V90-QM85 2661.V90-QM86 2612.V90-QM03 2612.V90-QM23 2661.V90-QM87 2661.V90-QM88 2661.V90-QM89 2661.V90-QM90 2612.V90-QM04 2612.V90-QM24 2661.V90-QM94 2661.V90-QM91 2661.V90-QM92 2661.V90-QM93 2612.V90-QM05 2612.V90-QM25 2661.V90-QM95 2661.V90-QM96 2661.V90-QM97 2661.V90-QM98 2612.V90-QM06 2612.V90-QM26 2661.V90-QM99 2661.V90-QM100 2661.V90-QM101 2661.V90-QM102 2612.V90-QM07 2612.V90-QM27 2661.V90-QM103 2661.V90-QM104 2661.V90-QM105 2661.V90-QM106 2612.V90-QM08 2612.V90-QM28 2661.V90-QM107 2661.V90-QM108 2661.V90-QM109 2661.V90-QM110 2612.V90-QM09 2612.V90-QM29 2661.V90-QM111 2661.V90-QM112 2661.V90-QM113 2661.V90-QM114 2612.V90-QM10 2612.V90-QM31 2661.V90-QM115 2661.V90-QM116 2661.V90-QM117 2661.V90-QM118 2612.V90-QM11 2612.V90-QM30 2661.V90-QM119 2661.V90-QM120 2661.V90-QM121 2661.V90-QM122 2612.V90-QM13 2612.V90-QM14 2612.V90-QM15 2612.V90-QM16 2612.V90-QM17 2612.V90-QM18 2612.V90-QM19 2612.V90-QM20 2612.V90-QM21 2612.V90-QM22 2911.V90-QM01 2912.V90-QM05 2951.V90-QM21 2951.V90-QM23 2991.V90-QM04 2992.V90-QM02 2993.V90-QM01														



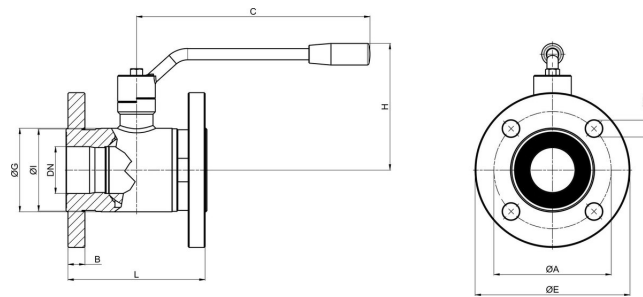
Dimensions DN25



Nominal size DN[mm]	Flange according to EN1092-1	max. Operating pressure [bar]	A	B	C	ØE	F	ØG	H	ØI	L	Kv value [m ³ /h]	Weight [approx. kg]	Type
25	PN40	40	85	14	170	115	4 x Ø14	52	92	51	125	100	3,45	BA489-25-LLD-A3C
3301.V90-QM10 3301.V90-QM16 3301.V90-QM84 3301.V90-QM45 3301.V90-QM62 3301.V90-QM28 3301.V90-QM136 3301.V90-QM56 3301.V90-QM26 3301.V90-QM27 3301.V90-QM31 3301.V90-QM98 3301.V90-QM64 3301.V90-QM29 3301.V90-QM51 3301.V90-QM132 3301.V90-QM71 3301.V90-QM102 3301.V90-QM20 3301.V90-QM83 3301.V90-QM08 3301.V90-QM46 3301.V90-QM52 3302.V90-QM10 3302.V90-QM16 3302.V90-QM84 3302.V90-QM45 3302.V90-QM62 3302.V90-QM28 3302.V90-QM136 3302.V90-QM56 3302.V90-QM26 3302.V90-QM27 3302.V90-QM31 3302.V90-QM98 3302.V90-QM64 3302.V90-QM29 3302.V90-QM51 3302.V90-QM132 3302.V90-QM71 3302.V90-QM102 3302.V90-QM20 3302.V90-QM83 3302.V90-QM08 3302.V90-QM46 3302.V90-QM52 3303.V90-QM10 3303.V90-QM16 3303.V90-QM84 3303.V90-QM45 3303.V90-QM62 3303.V90-QM28 3303.V90-QM136 3303.V90-QM56 3303.V90-QM26 3303.V90-QM27 3303.V90-QM31 3303.V90-QM98 3303.V90-QM64 3303.V90-QM29 3303.V90-QM51 3303.V90-QM132 3303.V90-QM71 3303.V90-QM102 3303.V90-QM20 3303.V90-QM83 3303.V90-QM08 3303.V90-QM46 3303.V90-QM52 3304.V90-QM10 3304.V90-QM16 3304.V90-QM84 3304.V90-QM45 3304.V90-QM62 3304.V90-QM28 3304.V90-QM136 3304.V90-QM56 3304.V90-QM26 3304.V90-QM27 3304.V90-QM31 3304.V90-QM98 3304.V90-QM64 3304.V90-QM29 3304.V90-QM51 3304.V90-QM132 3304.V90-QM71 3304.V90-QM102 3304.V90-QM20 3304.V90-QM83 3304.V90-QM08 3304.V90-QM46 3304.V90-QM52 3305.V90-QM10 3305.V90-QM16 3305.V90-QM84 3305.V90-QM26 3305.V90-QM62 3305.V90-QM28 3305.V90-QM136 3305.V90-QM56 3305.V90-QM26 3305.V90-QM27 3305.V90-QM31 3305.V90-QM98 3305.V90-QM64 3305.V90-QM29 3305.V90-QM51 3305.V90-QM132 3305.V90-QM71 3305.V90-QM102 3305.V90-QM20 3305.V90-QM83 3305.V90-QM08 3305.V90-QM46 3305.V90-QM52 3306.V90-QM10 3306.V90-QM16 3306.V90-QM84 3306.V90-QM45 3306.V90-QM62 3306.V90-QM28 3306.V90-QM136 3306.V90-QM56 3306.V90-QM26 3306.V90-QM27 3306.V90-QM31 3306.V90-QM98 3306.V90-QM64 3306.V90-QM29 3306.V90-QM51 3306.V90-QM132 3306.V90-QM71 3306.V90-QM102 3306.V90-QM20 3306.V90-QM83 3306.V90-QM08 3306.V90-QM46 3306.V90-QM52 3307.V90-QM10 3307.V90-QM16 3307.V90-QM84 3307.V90-QM45 3307.V90-QM62 3307.V90-QM28 3307.V90-QM136 3307.V90-QM56 3307.V90-QM26 3307.V90-QM27 3307.V90-QM31 3307.V90-QM98 3307.V90-QM64 3307.V90-QM29 3307.V90-QM51 3307.V90-QM132 3307.V90-QM71 3307.V90-QM102 3307.V90-QM20 3307.V90-QM83 3307.V90-QM08 3307.V90-QM46 3307.V90-QM52 3308.V90-QM10 3308.V90-QM16 3308.V90-QM84 3308.V90-QM45 3308.V90-QM62 3308.V90-QM28 3308.V90-QM136 3308.V90-QM56 3308.V90-QM26 3308.V90-QM27 3308.V90-QM31 3308.V90-QM98 3308.V90-QM64 3308.V90-QM29 3308.V90-QM51 3308.V90-QM132 3308.V90-QM71 3308.V90-QM102 3308.V90-QM20 3308.V90-QM83 3308.V90-QM08 3308.V90-QM46 3308.V90-QM52 3309.V90-QM10 3309.V90-QM16 3309.V90-QM84 3309.V90-QM45 3309.V90-QM62 3309.V90-QM28 3309.V90-QM136 3309.V90-QM56 3309.V90-QM26 3309.V90-QM27 3309.V90-QM31 3309.V90-QM98 3309.V90-QM64 3309.V90-QM29 3309.V90-QM51 3309.V90-QM132 3309.V90-QM71 3309.V90-QM102 3309.V90-QM20 3309.V90-QM83 3309.V90-QM08 3309.V90-QM46 3309.V90-QM52 3310.V90-QM10 3310.V90-QM16 3310.V90-QM84 3310.V90-QM45 3310.V90-QM62 3310.V90-QM28 3310.V90-QM136 3310.V90-QM56 3310.V90-QM26 3310.V90-QM27 3310.V90-QM31 3310.V90-QM98 3310.V90-QM64 3310.V90-QM29 3310.V90-QM51 3310.V90-QM132 3310.V90-QM71 3310.V90-QM102 3310.V90-QM20 2121.V90-QM29 2121.V90-QM30 2121.V90-QM31 2511.V90-QM100 2511.V90-QM101 2511.V90-QM102 2511.V90-QM103 2511.V90-QM98 2511.V90-QM99 2521.V90-QM103 2521.V90-QM105 2521.V90-QM106 2521.V90-QM98 2521.V90-QM99 2611.V90-QM58 2611.V90-QM59 2611.V90-QM60 2611.V90-QM61 2611.V90-QM62 2661.V90-QM166 2661.V90-QM167 2661.V90-QM168 2661.V90-QM169 2661.V90-QM170 2661.V90-QM171 2661.V90-QM172 2661.V90-QM173 2661.V90-QM174 2661.V90-QM175 2661.V90-QM176 2661.V90-QM177 2661.V90-QM178 2661.V90-QM179 2661.V90-QM180 2661.V90-QM181 2661.V90-QM182 2661.V90-QM183 2661.V90-QM184 2661.V90-QM185 2902.V90-QM51 2902.V90-QM52 2951.V90-QM173 2952.V90-QM122 2952.V90-QM124 2952.V90-QM125 2952.V90-QM126 2952.V90-QM145 2991.V90-QM13 2991.V90-QM14 2993.V90-QM21 2994.V90-QM17 2994.V90-QM18 2995.V90-QM01 2995.V90-QM30 2996.V90-QM30 2996.V90-QM108														



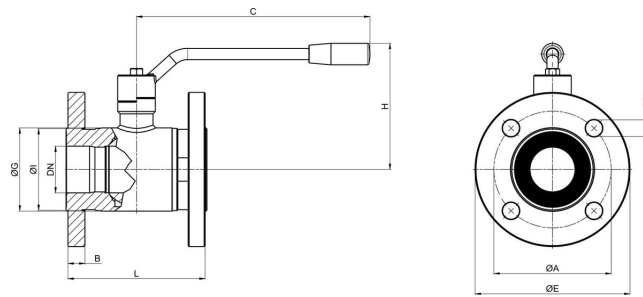
Dimensions DN25



Nominal size DN[mm]	Flange according to EN1092-1	max. Operating pressure [bar]	A	B	C	ØE	F	ØG	H	ØI	L	Kv value [m ³ /h]	Weight [approx. kg]	Type
25	PN40	40	85	14	170	115	4 x Ø14	52	92	51	125	100	3,45	BA489-25-LLD-A3C
3310.V90-QM83 3310.V90-QM08 3310.V90-QM46 3310.V90-QM52 2621.V90-QM03 2651.V90-QM09 2651.V90-QM11 2651.V90-QM43 2651.V90-QM46 2661.V90-QM22 2661.V90-QM23 2661.V90-QM24 2661.V90-QM25 2691.V90-QM02 2691.V90-QM03 2692.V90-QM01 2692.V90-QM02 2621.V90-QM05 2651.V90-QM48 2651.V90-QM49 2651.V90-QM92 2651.V90-QM83 2661.V90-QM26 2661.V90-QM27 2661.V90-QM28 2661.V90-QM29 2691.V90-QM04 2691.V90-QM05 2692.V90-QM03 2692.V90-QM04 2621.V90-QM07 2651.V90-QM58 2651.V90-QM66 2651.V90-QM93 2651.V90-QM84 2661.V90-QM31 2661.V90-QM30 2661.V90-QM36 2661.V90-QM37 2691.V90-QM06 2691.V90-QM07 2692.V90-QM05 2692.V90-QM06 2621.V90-QM09 2651.V90-QM59 2651.V90-QM67 2651.V90-QM94 2651.V90-QM85 2661.V90-QM32 2661.V90-QM33 2661.V90-QM38 2661.V90-QM39 2691.V90-QM08 2691.V90-QM09 2692.V90-QM07 2692.V90-QM08 2621.V90-QM11 2651.V90-QM60 2651.V90-QM68 2651.V90-QM95 2651.V90-QM86 2661.V90-QM34 2661.V90-QM35 2661.V90-QM40 2661.V90-QM41 2691.V90-QM10 2691.V90-QM11 2692.V90-QM09 2692.V90-QM10 2621.V90-QM13 2651.V90-QM61 2651.V90-QM69 2651.V90-QM96 2651.V90-QM87 2661.V90-QM42 2661.V90-QM43 2661.V90-QM44 2661.V90-QM45 2691.V90-QM12 2691.V90-QM13 2692.V90-QM11 2692.V90-QM12 2621.V90-QM15 2651.V90-QM62 2651.V90-QM70 2651.V90-QM97 2651.V90-QM88 2661.V90-QM46 2661.V90-QM47 2661.V90-QM48 2661.V90-QM49 2691.V90-QM14 2691.V90-QM15 2692.V90-QM13 2692.V90-QM14 2621.V90-QM17 2651.V90-QM63 2651.V90-QM71 2651.V90-QM98 2651.V90-QM89 2661.V90-QM50 2661.V90-QM51 2661.V90-QM52 2661.V90-QM53 2691.V90-QM16 2691.V90-QM17 2692.V90-QM15 2692.V90-QM16 2621.V90-QM19 2651.V90-QM64 2651.V90-QM72 2651.V90-QM99 2651.V90-QM90 2661.V90-QM54 2661.V90-QM55 2661.V90-QM56 2661.V90-QM57 2691.V90-QM18 2691.V90-QM19 2692.V90-QM17 2692.V90-QM18 2621.V90-QM21 2651.V90-QM65 2651.V90-QM73 2651.V90-QM100 2651.V90-QM91 2661.V90-QM58 2661.V90-QM59 2661.V90-QM60 2661.V90-QM61 2691.V90-QM20 2691.V90-QM21 2692.V90-QM19 2692.V90-QM20 2121.V90-QM05 2121.V90-QM06 2121.V90-QM14 2121.V90-QM16 2121.V90-QM24 2121.V90-QM26 2611.V90-QM01 2611.V90-QM11 2611.V90-QM12 2611.V90-QM46 2611.V90-QM47 2611.V90-QM53 2611.V90-QM54 2651.V90-QM03 2651.V90-QM44 2661.V90-QM123 2661.V90-QM124 2661.V90-QM165 2661.V90-QM21 2901.V90-QM01 2901.V90-QM02 2901.V90-QM06 2901.V90-QM07 2901.V90-QM11 2901.V90-QM20 2901.V90-QM21 2901.V90-QM39 2901.V90-QM40 2901.V90-QM41 2901.V90-QM43 2901.V90-QM45 2901.V90-QM46 2901.V90-QM48 2901.V90-QM49 2902.V90-QM04 2902.V90-QM05 2902.V90-QM23 2902.V90-QM25 2902.V90-QM26 2902.V90-QM27 2902.V90-QM31 2902.V90-QM32 2902.V90-QM41 2902.V90-QM42 2902.V90-QM50 2911.V90-QM02 2911.V90-QM04 2911.V90-QM31 2912.V90-QM01 2912.V90-QM06 2912.V90-QM24 2912.V90-QM29 2951.V90-QM117 2951.V90-QM118 2951.V90-QM119 2951.V90-QM12 2951.V90-QM13 2951.V90-QM14 2952.V90-QM84 2991.V90-QM06 2991.V90-QM07 2992.V90-QM03 2992.V90-QM09 2992.V90-QM11 2993.V90-QM02 2993.V90-QM04 2994.V90-QM03 2994.V90-QM04														



Dimensions DN32 and DN50



Nominal size DN[mm]	Flange according to EN1092-1	max. Operating pressure [bar]	A	B	C	ØE	F	ØG	H	ØI	L	Kv value [m ³ /h]	Weight [approx. kg]	Type
32	PN40	40	100	16	170	140	4 x Ø18	60	97	63	130	130	5,1	BA489-32-LLD-A3C
2611.V90-QM10 2611.V90-QM15 2611.V90-QM16 2611.V90-QM17 2611.V90-QM20 2611.V90-QM24 2611.V90-QM27 2611.V90-QM30 2611.V90-QM31 2611.V90-QM32 2611.V90-QM34 2611.V90-QM40 2611.V90-QM41														
50	PN40	40	125	18	240	165	4 x Ø18	89	135	89	150	280	8,9	BA489-50-LLD-A3C
3301.V90-QM85 3301.V90-QM76 3301.V90-QM73 3301.V90-QM78 3301.V90-QM86 3302.V90-QM85 3302.V90-QM76 3302.V90-QM73 3302.V90-QM78 3302.V90-QM86 3303.V90-QM85 3303.V90-QM76 3303.V90-QM73 3303.V90-QM78 3303.V90-QM86 3304.V90-QM85 3304.V90-QM76 3304.V90-QM73 3304.V90-QM78 3304.V90-QM86 3305.V90-QM85 3305.V90-QM76 3305.V90-QM73 3305.V90-QM78 3305.V90-QM86 3306.V90-QM85 3306.V90-QM76 3306.V90-QM73 3306.V90-QM78 3306.V90-QM86 3307.V90-QM85 3307.V90-QM76 3307.V90-QM73 3307.V90-QM78 3307.V90-QM86 3308.V90-QM85 3308.V90-QM76 3308.V90-QM73 3308.V90-QM78 3308.V90-QM86 3309.V90-QM85 3309.V90-QM76 3309.V90-QM73 3309.V90-QM78 3309.V90-QM86 3310.V90-QM85 3310.V90-QM76 3310.V90-QM73 3310.V90-QM78 2693.V90-QM01 2693.V90-QM02 2693.V90-QM03 2693.V90-QM04 2693.V90-QM05 2693.V90-QM06 2693.V90-QM07 2693.V90-QM08 2693.V90-QM09 2693.V90-QM10 2693.V90-QM11 2693.V90-QM12 2693.V90-QM13 2693.V90-QM14 2693.V90-QM15 2693.V90-QM16 2693.V90-QM17 2693.V90-QM18 2693.V90-QM20 2693.V90-QM19 2121.V90-QM10 2661.V90-QM01 2661.V90-QM02 2661.V90-QM03 2661.V90-QM04 2661.V90-QM05 2661.V90-QM06 2661.V90-QM07 2661.V90-QM08 2661.V90-QM09 2661.V90-QM10 2661.V90-QM11 2661.V90-QM12 2661.V90-QM13 2661.V90-QM14 2661.V90-QM15 2661.V90-QM16 2661.V90-QM17 2661.V90-QM18 2661.V90-QM19 2661.V90-QM20 2661.V90-QM62 2661.V90-QM63 2661.V90-QM64 2661.V90-QM65 2661.V90-QM66 2661.V90-QM67 2661.V90-QM68 2661.V90-QM69 2661.V90-QM70 2661.V90-QM71 2661.V90-QM72 2661.V90-QM73 2661.V90-QM74 2661.V90-QM75 2661.V90-QM76 2661.V90-QM77 2661.V90-QM78 2661.V90-QM79 2661.V90-QM80 2661.V90-QM81 2901.V40-QM01 2901.V40-QM02 2901.V90-QM47 2902.V90-QM33 2902.V90-QM43 2902.V90-QM44 2902.V90-QM45 2994.V90-QM02 2121.V90-QM03 2952.V90-QM121 2952.V90-QM123 2952.V90-QM127 2952.V90-QM128														

Illustrations non-binding Design, dimensional and material changes reserved

Armatures / Ball valves - manually operated / Other materials - A02 / Flanged ball valve Series BA489 / [BA489-15-LLD-A3C] Flanged ball valve BA489-15-LLD-A3C

Version 10

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