










Fire protection bulkhead systems

Determining a suitable fire protection bulkhead system depends on the size of the wall pipe and medium pipe as well as the movements to be accommodated, as listed in the following table.

System		Nominal diameter	Movement
W200x + W200x		up to NB 400 wall pipes and NB 150 medium pipes	for axial and lateral movements ▶ page 356
W200x + W400x		up to NB 750 wall pipes and NB 600 medium pipes	for small axial and lateral movements ▶ page 358
W200x + W410x		up to NB 750 wall pipes and NB 600 medium pipes	for large axial and lateral movements ▶ page 360

Potential combinations		Wall pipe	Required sectional medium pipe insulation		W200x + W200x Movement			W200x + W400x Movement			W200x + W410x Movement		
Wall pipe NB D ₁	Medium pipe NB D ₁₋₂	Thickness ≤	Length ≥	Thickness mm									
					mm	mm	±mm	mm	mm	±mm	mm	mm	±mm
50	10	10			15	15	13						
	15				14	12							
	20				12	10							
	25				9	8							
	32				6	5							
65	15	10			19	19	16						
	20				17	15							
	25				15	13							
80	10	10			25	25	22						
	15				24	20							
	20				22	19							
	25				19	17							
100	15	10			33	33	28						
	20				31	26							
	25				28	24							
	32				11	10							
	40				9	8							
125	20	10			39	39	34						
	25				37	32							
	32				20	17							
	40				18	15							
	50				7	6							
150	32	10			30	30	26						
	40				28	24							
	50				17	14							
	65				11	10							
	80				7	6							
200	40	10			46	46	39						
	50				35	30							
	65				29	25							
	80				25	21							
	100				16	13							
250	65	10			48	48	41						
	80				43	37							
	100				35	30							
	125				26	22							
	150				16	13							

Potential combinations		Wall pipe Thickness ≤	Required sectional medium pipe insulation		W200x + W200x Movement			W200x + W400x Movement			W200x + W410x Movement		
Wall pipe NB D ₁	Medium pipe NB D ₁₋₂		Length ≥	Thickness mm	 mm	 mm	 ± mm	 mm	 mm	 ± mm	 mm	 mm	 ± mm
300	65	10	700	30	66	66	56						
	80		700	30	61	61	53						
	100		700	30	52	52	45						
	125		700	30	43	43	37						
	150		700	30	33	33	29						
350	80	10	700	30	70	70	60						
	100		700	30	63	63	54						
	125		700	30	55	55	47						
	150		700	30	45	45	38						
	200		∞	50	13	13	11						
400	100	10	700	30	70	70	60						
	125		700	30	70	70	60						
	150		700	30	62	62	53						
	200		∞	50				15	15	13	31	31	26
	250		∞	50				6	6	5	12	12	10
450	125	6.3	700	30				35	35	30	70	70	60
	150		700	30				35	35	30	70	70	60
	200		∞	50				24	24	21	48	48	41
	250		∞	50				15	15	13	29	29	25
	300		∞	50				6	6	5	12	12	10
500	150	6.3	700	30				35	35	30	70	70	60
	200		∞	50				33	33	28	66	66	57
	250		∞	50				24	24	20	47	47	41
	300		∞	50				15	15	13	29	29	25
	350		∞	50				9	9	8	18	18	16
550	200	6.3	∞	50				35	35	30	70	70	60
	250		∞	50				33	33	28	65	65	56
	300		∞	50				24	24	20	47	47	40
	350		∞	50				18	18	15	36	36	31
	400		∞	50				9	9	8	18	18	16
600	250	6.3	∞	50				35	35	30	70	70	60
	300		∞	50				32	32	28	65	65	56
	350		∞	50				27	27	23	54	54	46
	400		∞	50				18	18	15	36	36	31
	450		∞	50				9	9	8	18	18	16
650	300	4.5	∞	50				35	35	30	70	70	60
	350		∞	50				35	35	30	70	70	60
	400		∞	50				27	27	23	54	54	46
	450		∞	50				18	18	15	36	36	31
	500		∞	50				9	9	8	18	18	16
700	350	4.5	∞	50				35	35	30	70	70	60
	400		∞	50				35	35	30	70	70	60
	450		∞	50				27	27	23	54	54	46
	500		∞	50				18	18	15	36	36	31
	550		∞	50				9	9	8	18	18	16
750	400	4.5	∞	50				35	35	30	70	70	60
	450		∞	50				35	35	30	70	70	60
	500		∞	50				27	27	23	54	54	46
	550		∞	50				18	18	15	36	36	31
	600		∞	50				9	9	8	18	18	16

Other nominal bore combinations possible.

The movements listed are based on a concentric position of the medium pipe in relation to the wall pipe as well as minimal sectional medium pipe insulation thicknesses and a maximum ring gap of 100 mm.

Larger movements on request.