Grooved Products | Grooved Fittings | Eccentric Reducer | VK-ER



SPECIFICATIONS	
Sizes (Nominal)	3" x 2" to 10" x 8" DN80 x DN50 to DN250 x DN200
Approvals*	UL FM APPROVED
Working pressure	20.7 bar (300 psi) to 27.6 bar (400 psi) (depending on size and approval)
Material	Ductile cast iron, ASTM A536 Grade 65-45-12
Finish	• Painted red** • Galvanised
Application	Water based fire-suppression systems
Installation	Refer to "Installation Manual"
Maintenance	Visual check

* Refer to table below for full approval listings
** Red epoxy available on request

Part numbers & technical data | VK-ER

Nominal size		Pipe OD (mm)	Part number		Approvals		Max. working pressure (psi / bar)	
Inch	DN		Painted red	Galvanised	UL	FM	UL	FM
3 x 2	80 x 50	88.9 x 60.3	VK-ER-089060P	VK-ER-089060G	▪	▪	400 / 27.6	300 / 20.7
3 x 2-1/2	80 x 65	88.9 x 73.0	VK-ER-089073P	VK-ER-089073G	▪	▪	400 / 27.6	300 / 20.7
3 x 3OD	80 x 65	88.9 x 76.1	VK-ER-089076P	VK-ER-089076G	▪	▪	400 / 27.6	300 / 20.7
4 x 2	100 x 50	114.3 x 60.3	VK-ER-114060P	VK-ER-114060G	▪	▪	400 / 27.6	300 / 20.7
4 x 2-1/2	100 x 65	114.3 x 73.0	VK-ER-114073P	VK-ER-114073G	▪	▪	400 / 27.6	300 / 20.7
4 x 3OD	100 x 65	114.3 x 76.1	VK-ER-114076P	VK-ER-114076G	▪	▪	400 / 27.6	300 / 20.7
4 x 3	100 x 80	114.3 x 88.9	VK-ER-114089P	VK-ER-114089G	▪	▪	400 / 27.6	300 / 20.7
5-1/2OD x 3OD	125 x 65	139.7 x 76.1	VK-ER-139076P	VK-ER-139076G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 3	125 x 80	139.7 x 88.9	VK-ER-139089P	VK-ER-139089G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 4	125 x 100	139.7 x 114.3	VK-ER-139114P	VK-ER-139114G	▪	▪	300 / 20.7	300 / 20.7
6-1/4OD x 2	150 x 50	159.0 x 60.3	VK-ER-159060P	VK-ER-159060G	▪	-	300 / 20.7	-
6-1/4OD x 3OD	150 x 65	159.0 x 76.1	VK-ER-159076P	VK-ER-159076G	▪	▪	300 / 20.7	300 / 20.7
6-1/4OD x 3	150 x 80	159.0 x 88.9	VK-ER-159089P	VK-ER-159089G	▪	▪	300 / 20.7	300 / 20.7
6-1/4OD x 4-1/4OD	150 x 100	159.0 x 108.0	VK-ER-159108P	VK-ER-159108G	▪	▪	300 / 20.7	300 / 20.7
6-1/4OD x 4	150 x 100	159.0 x 114.3	VK-ER-159114P	VK-ER-159114G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 3OD	150 x 65	165.1 x 76.1	VK-ER-165076P	VK-ER-165076G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 3	150 x 80	165.1 x 88.9	VK-ER-165089P	VK-ER-165089G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 4	150 x 100	165.1 x 114.3	VK-ER-165114P	VK-ER-165114G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 5-1/2OD	150 x 125	165.1 x 139.7	VK-ER-165139P	VK-ER-165139G	▪	▪	300 / 20.7	300 / 20.7
6 x 3	150 x 80	168.3 x 88.9	VK-ER-168089P	VK-ER-168089G	▪	▪	300 / 20.7	300 / 20.7
6 x 4	150 x 100	168.3 x 114.3	VK-ER-168114P	VK-ER-168114G	▪	▪	300 / 20.7	300 / 20.7
6 x 5-1/2OD	150 x 125	168.3 x 139.7	VK-ER-168139P	VK-ER-168139G	▪	▪	300 / 20.7	300 / 20.7
8 x 3	200 x 80	219.1 x 88.9	VK-ER-219089P	VK-ER-219089G	▪	▪	300 / 20.7	300 / 20.7
8 x 4	200 x 100	219.1 x 114.3	VK-ER-219114P	VK-ER-219114G	▪	▪	300 / 20.7	300 / 20.7

Table continued on next page

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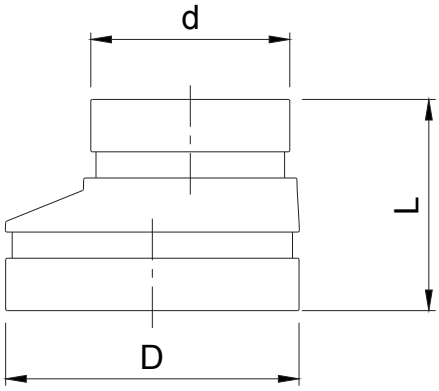
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Part numbers & technical data | VK-ER (*continued*)

Nominal size		Pipe OD (mm)	Part number		Approvals		Max. working pressure (psi / bar)	
Inch	DN		Painted red	Galvanised	UL	FM	UL	FM
8 x 5-1/2OD	200 x 125	219.1 x 139.7	VK-ER-219139P	VK-ER-219139G	▪	▪	300 / 20.7	300 / 20.7
8 x 6-1/2OD	200 x 150	219.1 x 165.1	VK-ER-219165P	VK-ER-219165G	▪	▪	300 / 20.7	300 / 20.7
8 x 6	200 x 150	219.1 x 168.3	VK-ER-219168P	VK-ER-219168G	▪	▪	300 / 20.7	300 / 20.7
10 x 6-1/2OD	250 x 150	273.0 x 165.1	VK-ER-273165P	VK-ER-273165G	▪	▪	300 / 20.7	300 / 20.7
10 x 6	250 x 150	273.0 x 168.3	VK-ER-273168P	VK-ER-273168G	▪	▪	300 / 20.7	300 / 20.7
10 x 8	250 x 200	273.0 x 219.1	VK-ER-273219P	VK-ER-273219G	▪	▪	300 / 20.7	300 / 20.7

Dimensional drawing



Dimensions | VK-ER

Inch (D x d)	DN (D x d)	Pipe OD (mm)	L (mm)	Weight (kg)
3 x 2	80 x 50	88.9 x 60.3	64	0.7
3 x 2-1/2	80 x 65	88.9 x 73.0	64	0.9
3 x 3OD	80 x 65	88.9 x 76.1	64	0.6
4 x 2	100 x 50	114.3 x 60.3	76	1.1
4 x 2-1/2	100 x 65	114.3 x 73.0	76	1.0
4 x 3OD	100 x 65	114.3 x 76.1	76	1.2
4 x 3	100 x 80	114.3 x 88.9	76	1.2
5-1/2OD x 3OD	125 x 65	139.7 x 76.1	89	2.1
5-1/2OD x 3	125 x 80	139.7 x 88.9	89	2.1
5-1/2OD x 4	125 x 100	139.7 x 114.3	89	2.4
6-1/4OD x 2	150 x 50	159.0 x 60.3	102	1.8
6-1/4OD x 3OD	150 x 65	159.0 x 76.1	102	2.0
6-1/4OD x 3	150 x 80	159.0 x 88.9	102	2.0
6-1/4OD x 4-1/4OD	150 x 100	159.0 x 108.0	102	2.2
6-1/4OD x 4	150 x 100	159.0 x 114.3	102	2.1

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Dimensions | VK-ER (*continued*)

Inch (D x d)	DN (D x d)	Pipe OD (mm)	L (mm)	Weight (kg)
6-1/2OD x 3OD	150 x 65	165.1 x 76.1	102	2.1
6-1/2OD x 3	150 x 80	165.1 x 88.9	102	2.2
6-1/2OD x 4	150 x 100	165.1 x 114.3	102	2.2
6-1/2OD x 5-1/2OD	150 x 125	165.1 x 139.7	102	2.4
6 x 3	150 x 80	168.3 x 88.9	102	2.2
6 x 4	150 x 100	168.3 x 114.3	102	2.2
6 x 5-1/2OD	150 x 125	168.3 x 139.7	102	2.4
8 x 3	200 x 80	219.1 x 88.9	127	3.8
8 x 4	200 x 100	219.1 x 114.3	127	3.5
8 x 5-1/2OD	200 x 125	219.1 x 139.7	127	3.8
8 x 6-1/2OD	200 x 150	219.1 x 165.1	127	3.7
8 x 6	200 x 150	219.1 x 168.3	127	3.7
10 x 6-1/2OD	250 x 150	273 x 165.1	152	7.6
10 x 6	250 x 150	273 x 168.3	152	7.2
10 x 8	250 x 200	273 x 219.1	152	7.3

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