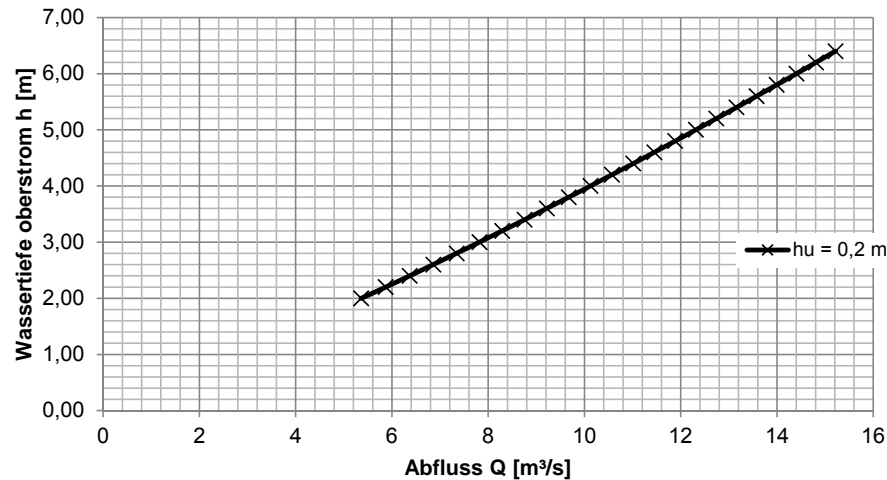


Berechnung Ausfluss unter Schütz

nach Schneider BT 13.35 (17.Auflage)

Parameter / Beschreibung	Formelzeichen	Wert	Einheit	Wert über Höhenbezug [m+NHN]	OW [m+NHN]	h [m]	ϕ	μ	$(\phi \times a) / h_u$	$(\phi \times a) / h$	h_u / h [-]	c	Q [m³/s]
Sohl-/Fachbaumhöhe				328,20	330,20	2,00	1,000	0,707	10,000	1,000	0,100	0,228	5,361
Anzahl Wehrschütze	n =	1	Stk.		330,40	2,20	0,790	0,602	7,895	0,718	0,091	0,280	5,870
Höhe der Öffnung	a =	2	m	330,20	330,60	2,40	0,739	0,581	7,387	0,616	0,083	0,301	6,369
Breite der Öffnung	b =	2,65	m		330,80	2,60	0,710	0,571	7,098	0,546	0,077	0,317	6,859
Wasserstand Oberwasser von	h_{min} =	2	m	330,20	331,00	2,80	0,691	0,565	6,907	0,493	0,071	0,331	7,343
Wasserstand Oberwasser bis	h_{max} =	7	m	335,20	331,20	3,00	0,677	0,562	6,770	0,451	0,067	0,342	7,820
Neigung Schütz	α =	90	°		331,40	3,20	0,667	0,560	6,668	0,417	0,063	0,352	8,292
Intervall		0,2	m		331,60	3,40	0,659	0,559	6,590	0,388	0,059	0,362	8,758
Wasserstand Unterwasser	h_u =	0,2	m	328,40	331,80	3,60	0,653	0,559	6,527	0,363	0,056	0,370	9,218
<i>(vollkommener Ausfluss: $h_u = 0$)</i>					332,00	3,80	0,648	0,559	6,476	0,341	0,053	0,378	9,674
					332,20	4,00	0,643	0,560	6,434	0,322	0,050	0,385	10,125
					332,40	4,20	0,640	0,560	6,399	0,305	0,048	0,392	10,571
					332,60	4,40	0,637	0,561	6,369	0,290	0,045	0,399	11,013
					332,80	4,60	0,634	0,562	6,344	0,276	0,043	0,405	11,450
					333,00	4,80	0,632	0,562	6,322	0,263	0,042	0,411	11,883
					333,20	5,00	0,630	0,563	6,303	0,252	0,040	0,416	12,313
					333,40	5,20	0,629	0,564	6,286	0,242	0,038	0,422	12,738
					333,60	5,40	0,627	0,565	6,272	0,232	0,037	0,427	13,160
					333,80	5,60	0,626	0,566	6,259	0,224	0,036	0,432	13,578
					334,00	5,80	0,625	0,567	6,247	0,215	0,034	0,437	13,992
					334,20	6,00	0,624	0,567	6,237	0,208	0,033	0,441	14,403
					334,40	6,20	0,623	0,568	6,227	0,201	0,032	0,446	14,810
					334,60	6,40	0,622	0,569	6,219	0,194	0,031	0,450	15,215



OW [m+NHN]	UW [m+NHN]		328,40	328,60	328,80	329,00	329,20	329,40	329,60	329,80	330,00	330,20	330,40	330,60	330,80	331,00	331,20	331,40
	h _u [m]	h [m]	h _u [m]															
			0,20	0,40	0,60	0,80	1,00	1,20	1,40	1,60	1,80	2,00	2,20	2,40	2,60	2,80	3,00	3,20
Q [m³/s]																		
330,20	2,00		5,361	7,679	9,441	10,830	11,865	12,486	12,546	11,749	9,412	0,000	-	-	-	-	-	-
330,40	2,20		5,870	8,395	10,340	11,931	13,220	14,179	14,700	14,547	13,294	10,212	0,000	-	-	-	-	-
330,60	2,40		6,369	9,076	11,165	12,902	14,367	15,568	16,441	16,804	16,279	14,347	10,542	0,000	-	-	-	-
330,80	2,60		6,859	9,736	11,951	13,809	15,420	16,822	18,003	18,860	19,052	17,854	14,971	10,588	0,000	-	-	-
331,00	2,80		7,343	10,378	12,706	14,669	16,403	17,978	19,446	20,862	22,491	22,615	19,171	15,153	10,462	0,000	-	-
331,20	3,00		7,820	11,005	13,435	15,490	17,331	19,059	20,804	23,023	24,257	23,171	22,244	19,802	15,005	10,255	0,000	-
331,40	3,20		8,292	11,618	14,142	16,279	18,213	20,079	22,102	25,989	24,797	23,800	22,953	22,222	19,400	14,690	10,019	0,000
331,60	3,40		8,758	12,219	14,829	17,041	19,057	21,048	23,356	26,504	25,391	24,465	23,680	23,005	22,419	18,678	14,321	9,785
331,80	3,60		9,218	12,808	15,499	17,777	19,869	21,972	24,586	27,061	26,014	25,146	24,412	23,783	23,238	22,760	17,994	13,955
332,00	3,80		9,674	13,386	16,152	18,492	20,651	22,859	25,811	27,645	26,653	25,832	25,141	24,549	24,038	23,591	23,196	17,400
332,20	4,00		10,125	13,955	16,791	19,188	21,407	23,712	27,062	28,242	27,298	26,518	25,862	25,303	24,820	24,398	24,026	20,904
332,40	4,20		10,571	14,514	17,416	19,865	22,141	24,536	28,414	28,847	27,944	27,199	26,574	26,042	25,583	25,183	24,831	24,519
332,60	4,40		11,013	15,064	18,029	20,526	22,854	25,332	30,535	29,455	28,587	27,873	27,275	26,766	26,328	25,947	25,612	25,315
332,80	4,60		11,450	15,606	18,630	21,173	23,548	26,105	31,105	30,062	29,226	28,539	27,965	27,477	27,057	26,692	26,372	26,088
333,00	4,80		11,883	16,140	19,220	21,805	24,224	26,855	31,675	30,667	29,859	29,196	28,643	28,173	27,770	27,419	27,111	26,840
333,20	5,00		12,313	16,666	19,800	22,425	24,885	27,584	32,245	31,267	30,484	29,844	29,309	28,856	28,467	28,129	27,833	27,571
333,40	5,20		12,738	17,185	20,370	23,032	25,530	28,295	32,813	31,862	31,103	30,482	29,964	29,525	29,149	28,823	28,537	28,285
333,60	5,40		13,160	17,698	20,931	23,628	26,162	28,989	33,377	32,451	31,713	31,110	30,608	30,183	29,818	29,502	29,226	28,982
333,80	5,60		13,578	18,203	21,483	24,214	26,781	29,667	33,936	33,035	32,316	31,729	31,241	30,828	30,474	30,168	29,899	29,663
334,00	5,80		13,992	18,703	22,027	24,789	27,388	30,329	34,492	33,611	32,910	32,338	31,863	31,461	31,117	30,820	30,559	30,329
334,20	6,00		14,403	19,196	22,562	25,355	27,984	30,978	35,042	34,181	33,497	32,939	32,475	32,084	31,749	31,459	31,206	30,982
334,40	6,20		14,810	19,683	23,091	25,912	28,569	31,613	35,586	34,745	34,076	33,531	33,078	32,696	32,370	32,087	31,840	31,622
334,60	6,40		15,215	20,165	23,612	26,460	29,144	32,236	36,126	35,301	34,647	34,114	33,671	33,298	32,979	32,703	32,462	32,250

