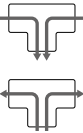

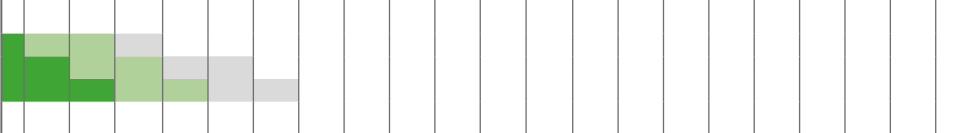
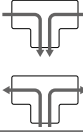

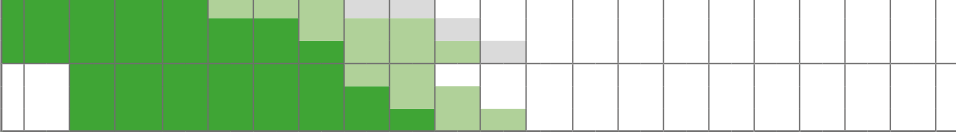
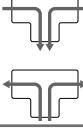

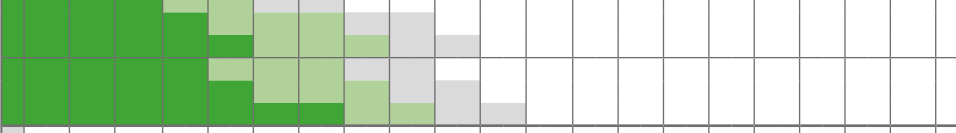



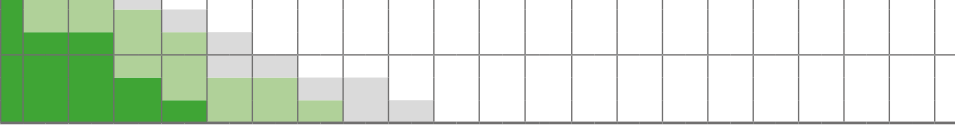


**VALVE TYPE AND POSSIBLE HEAT PUMP SYSTEM OUTPUT**







Applicable valve selection in heat pump applications for usage as change over valve in between heating and domestic hot water production.

- Typical usage
- Optional usage
- Extended usage

Product				Kvs	$\Delta T$ [K]	Pressure drop $\Delta p$ [kPa]			Output [kW]*																																			
						Typical	Optional	Extended	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80															
	Diverting valve	VZz100, VZx200		6	5	5	10	15																																				
					6																																							
					7																																							
	Motorized Control valve	SLB130		G 1"	12	5	10	15																																				
				G 1 1/4"	16	5	8	8																																				
					5	5	10	15																																				
					6																																							
					Motorized Ball valve	MBA130		G 1"																	9,6	5	10	15																
								G 1"																	11	5	10	15																
5	5	10	15																																									
6																																												
	Motorized Zone valve	ZRS230						G 1/2"	3,2	5	10	15																																
								G 3/4"	4,6	5	10	15																																
				5	5	10	15																																					
				6																																								
				G 1"	5,7	5	10	15																																				
					5	5	10	15																																				
																													6															
						G 1 1/4"	8,4	5																					10	15														
					5		5	10																					15															
					6																																							

\* Output recommendation related to differential temperature ( $\Delta T$ ) in typical heat pump systems.

■ Typical usage  
■ Optional usage  
■ Extended usage

Product		Kvs	$\Delta T$ [K]	Pressure drop $\Delta p$ [kPa]			Output [kW]*																				
				Typical	Optional	Extended	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
 Rotary Mixing valve and actuator	VRG130 + ARA600 	DN20	6,3	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			6,3	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN25	10	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			10	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN32	16	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			16	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN40	25	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			25	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN50	40	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			40	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
 Rotary Change-over valve and actuator	VRG230 + ARA600 	DN20	6,3	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			6,3	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN25	10	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			10	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN32	16	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			16	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN40	30	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			30	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN50	40	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			40	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
 Rotary Mixing valve and actuator	VRG330 + ARA600 	DN20	13	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			13	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN25	17	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			17	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN32	32	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			32	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN40	45	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			45	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
		DN50	65	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			65	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80
			7	5	10	15	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80

\* Output recommendation related to differential temperature ( $\Delta T$ ) in typical heat pump systems.