

# TECHNICAL SPECIFICATIONS

## HI-FLO 2

MODEL	FLOW RATE				PRESSURE LOSS maximum bar	PIPING in-out diameter inches	OVERALL DIMENSIONS width x depth x height mm	WEIGHT	
	Service			Backwash				operating kg	shipping kg
	min. m³/h	average m³/h	max. m³/h						
<b>HI-FLO 2 • FILTR-CLEER (TURBIDITY - IRON - MANGANESE)</b>									
UF 12	-	1.8	2.7	2.2	0.5	1½	300 x 370 x 1350	170	129
UF 16	-	3.2	4.7	4.5	0.5	1½	400 x 430 x 1665	320	228
<b>HI-FLO 2 • CULLAR (TASTES - ODOURS - MICROPOLLUTANTS)</b>									
UR 12	-	1.1	1.8	1.8	0.5	1½	300 x 370 x 1350	150	108
UR 16	-	1.6	3.1	3.1	0.5	1½	400 x 430 x 1665	300	178
<b>HI-FLO 2 • CULLNEU (ACIDITY)</b>									
UU 12	-	0.8	0.8	2.2	0.5	1½	300 x 370 x 1350	180	138
UU 16	-	1.4	1.4	4.5	0.5	1½	400 x 430 x 1665	350	245
<b>HI-FLO 2 • CULLSORB (IRON - MANGANESE)</b>									
UB 12	-	-	0.8	2.2	0.5	1½	300 x 370 x 1350	170	120
UB 16	-	-	1.4	4.5	0.5	1½	400 x 430 x 1665	315	205

## HI-FLO 6

<b>HI-FLO 6 • FILTR-CLEER (TURBIDITY - IRON - MANGANESE)</b>									
UF 60	21.7	29	36.2	61.3	1	3	1500 x 1760 x 2200	4640	3290
UF 72	31.2	41.6	52	90.8	1	4	1800 x 2150 x 2280	6455	4655
UF 84	42.2	56.3	70.4	129.4	1	4	2100 x 2450 x 2340	8325	5825
UF 90	49	65	81.6	147.7	1	4	2300 x 2630 x 2350	12250	7250
UF 100	60.7	81	101.2	174.9	1	6	2500 x 2950 x 2615	13445	9145
UF 120	87	116	145	250	1	6	3000 x 3490 x 2890	27000	15500
UF 400	242.8	324	404	700	1	12	5400 x 5400 x 2350	53780	36580
UF 480	348	464	580	1000	1	14	6500 x 6500 x 3030	108000	62000
<ul style="list-style-type: none"> <li>• Hi-Flo 6 Filtr-Cleer filtration is intended to remove natural turbidity in general (for the specific removal of metals such as Iron, Manganese, etc. please refer to Hi-Flo 9 and Twin 9).</li> <li>• In case of colloidal substances, coagulant agents must be added.</li> <li>• Minimum flow rate is recommended for turbid water.</li> <li>• Average flow rate is recommended for water of average turbidity.</li> <li>• Maximum flow rate is recommended for water with low turbidity.</li> </ul>									
<b>HI-FLO 6 • CULLAR (TASTES - ODOURS - COLOURS - MICROPOLLUTANTS)</b>									
UR 60	21.7	-	36.2	27.3	0,3	3	1500 x 1760 x 2200	4395	2795
UR 72	31.2	-	52	40.9	0,3	3	1800 x 2100 x 2280	6025	3875
UR 84	42.2	-	70.4	52.2	0,3	4	2100 x 2450 x 2340	8190	5190
UR 90	49	-	81.6	65	0,3	4	2300 x 2630 x 2350	11200	6080
UR 100	60.7	-	101.2	79.5	0,3	4	2500 x 2850 x 2565	12250	7750
UR 120	87	-	145	114	0,3	6	3000 x 3490 x 2890	25000	13400
UR 400	242.8	-	404	320	0,3	12	5400 x 5400 x 2350	49000	31000
UR 480	348	-	580	480	0,3	14	6500 x 6500 x 3030	100000	53600
<ul style="list-style-type: none"> <li>• Minimum flow rate is recommended for the removal of organic matter and micropollutants and for the dechlorination of water in continuous treatment (waterworks, etc.).</li> <li>• Maximum flow rate is recommended for the removal of low contents of residual Chlorine (&lt;2 mg/l).</li> </ul>									

## HI-FLO 6

MODEL	FLOW RATE				PRESSURE LOSS maximum bar	PIPING in-out diameter inches	OVERALL DIMENSIONS width x depth x height mm	WEIGHT	
	Service			Backwash				operating kg	shipping kg
	min. m <sup>3</sup> /h	average m <sup>3</sup> /h	max. m <sup>3</sup> /h						
<b>HI-FLO 6 • CULLNEU (ACIDITY)</b>									
UU 60	-	-	22.7	61.3	0.5	3	1500 x 1760 x 2200	4640	3290
UU 72	-	-	32.7	90,8	0.5	3	1800 x 2100 x 2280	6455	4655
UU 84	-	-	40.9	129.4	0.5	4	2100 x 2450 x 2340	8325	5285
UU 90	-	-	47	147.7	0.5	4	2300 x 2630 x 2350	12250	7250
UU 100	-	-	59	174.9	0.5	4	2500 x 2850 x 2565	13445	9145
UU 120	-	-	80	250	0.5	6	3000 x 3490 x 2890	27000	15500
<b>HI-FLO 6 • CULLSORB (IRON - MANGANESE)</b>									
UB 60	15.9	-	22.7	40.9	0,8	3	1500 x 1760 x 2200	4770	3210
UB 72	27.3	-	32.7	61.3	0,8	3	1800 x 2100 x 2280	6490	4490
UB 84	36.3	-	40.9	86	0,8	4	2100 x 2450 x 2340	8450	5920
UB 90	42.3	-	47	102	0,8	4	2300 x 2630 x 2350	10040	7030
UB 100	52.2	-	59	114	0,8	4	2500 x 2850 x 2565	12570	8570
UB 120	73.5	-	80	159	0,8	6	3000 x 3490 x 2890	25000	13400
<b>HI-FLO 6 TWIN</b>									
<b>HI-FLO 6 TWIN • FILTR-CLEER (TURBIDITY - IRON - MANGANESE)</b>									
UF 260	43.4	58	72.4	61.8	1	4	3300 x 1880 x 2140	9300	6600
UF 272	62.4	83.2	104	90.8	1	4	3900 x 2110 x 2260	12930	9350
UF 284	84.4	112.6	140.8	129.4	1	6	4580 x 2360 x 2385	29600	11700
UF 290	98	130	163.8	150	1	6	4980 x 2600 x 2460	24530	14550
UF 2100	121.4	162	202.4	174.9	1	6	5300 x 2970 x 2640	26900	18300
UF 2120	174	232	290	250	1	6	6400 x 3395 x 2845	54000	31000
<ul style="list-style-type: none"> <li>•In Twin series the Filtr-Cleer filtration is intended to remove natural turbidity in general (for the specific removal of metals such as Iron, Manganese, etc. please refer to Hi-Flo 9 and Twin 9).</li> <li>•In case of colloidal substances, coagulant agents must be added.</li> <li>•Minimum flow rate is recommended for turbid water.</li> <li>•Average flow rate is recommended for water of average turbidity.</li> <li>•Maximum flow rate is recommended for water with low turbidity.</li> </ul>									

# TECHNICAL SPECIFICATIONS

## HI-FLO 6 TWIN

MODEL	FLOW RATE				PRESSURE LOSS maximum bar	PIPING in-out diameter pollici	OVERALL DIMENSIONS width x depth x height inches	WEIGHT	
	Service			Backwash				operating kg	shipping kg
	min. m³/h	average m³/h	max. m³/h						
<b>HI-FLO 6 TWIN • CULLAR (TASTES - ODOURS - COLOURS - MICROPOLLUTANTS)</b>									
UR 260	43.4	-	72.4	29	0.3	4	3300 x 1880 x 2140	8800	5600
UR 272	62.4	-	104	40,9	0.3	4	3900 x 2110 x 2260	12070	7770
UR 284	84.4	-	140.8	52.2	0.3	6	4580 x 2360 x 2385	16400	10400
UR 290	98	-	163.2	68	0.3	6	4980 x 2600 x 2460	22420	12200
UR 2100	121.4	-	202.4	79.5	0.3	6	5300 x 2970 x 2640	24530	15530
UR 2120	147	-	290	114	0.3	6	6400 x 3395 x 2845	50030	26850

- Minimum flow rate is recommended for the removal of organic matter and micropollutants and for the dechlorination of water in continuous treatment (waterworks, etc.).
- Maximum flow rate is recommended for the removal of low contents of residual Chlorine (<2 mg/l).

### HI-FLO 6 TWIN • CULLSORB (IRON - MANGANESE)

UB 260	31.6	-	45.4	40.9	0.8	4	3300 x 1880 x 2140	9550	6440
UB 272	54.6	-	65.4	61.8	0.8	4	3900 x 2110 x 2260	13000	9000
UB 284	72.6	-	81.8	86.3	0.8	6	4580 x 2360 x 2385	16920	11850
UB 290	84.6	-	94	102	0.8	6	4980 x 2600 x 2460	20080	14080
UB 2100	104.4	-	108	114	0.8	6	5300 x 2970 x 2640	25150	17150
UB 2120	147	-	160	159	0.8	6	6400 x 3395 x 2845	50000	26800

## HI-FLO 9

### HI-FLO 9 • FILTR-CLEER (TURBIDITY - IRON - MANGANESE)

UF 20	2	3.7	4.7	7,9	1	1½	710 x 735 x 1950	770	470
UF 24	2.8	5.3	6.7	10.9	1	1½	710 x 835 x 1985	1100	680
UF 30	4.5	8.5	11	15.9	1	1½	765 x 985 x 2050	1700	1030
UF 36	7	13	17	27.3	1	2	975 x 1215 x 2130	2980	1910
UF 48	11	21	27	40.9	1	2½	1258 x 1465 x 2235	4490	2790
UF 60	17	34	42	77	1	3	1500 x 1760 x 2700	5500	3800
UF 72	25	48	60	118	1	4	1800 x 2150 x 2782	6400	5400
UF 84	32	64	80	159	1	4	2100 x 2450 x 3090	10650	7700
UF 90	36	69	86	190	1	4	2300 x 2630 x 3100	12450	9010
UF 100	49	93	117	218	1	6	2500 x 2950 x 3364	16100	11700
UF 120	70	135	170	250	1	6	3000 x 3490 x 3600	32000	18800
UF 400	195	375	470	850	1	12	5400 x 5400 x 3100	65000	47400
UF 480	280	535	670	1000	1	14	6500 x 6500 x 3780	116600	61600

- Minimum flow rate is recommended for removal of precipitated metals at considerable concentrations (> 4 mg/l total).
- Average flow rate is recommended for removal of precipitated metals at medium concentrations (1-4 mg/l total).
- Maximum flow rate is recommended for removal of precipitated metals at low concentration (< 1 mg/l total).

## HI-FLO 9

MODEL	FLOW RATE				PRESSURE LOSS maximum bar	PIPING in-out diameter inches	OVERALL DIMENSIONS width x depth x height mm	WEIGHT	
	Service			Backwash				operating kg	shipping kg
	min. m <sup>3</sup> /h	average m <sup>3</sup> /h	max. m <sup>3</sup> /h						
<b>HI-FLO 9 • CULLAR (TASTES - ODOURS - COLOURS - MICROPOLLUTANTS)</b>									
UR 20	1.2	-	4.7	3.4	0.3	1½	710 x 735 x 1950	760	460
UR 24	2.8	-	6.7	4.5	0.3	1½	710 x 835 x 1985	1030	600
UR 30	4.5	-	11	6.8	0.3	1½	765 x 985 x 2050	1600	930
UR 36	7	-	17	10.9	0.3	2	975 x 1215 x 2130	2720	1650
UR 48	11	-	27	18.2	0.3	2	1258 x 1465 x 2235	4100	2410
UR 60	17	-	42	27.3	0.3	3	1500 x 1760 x 2700	4500	3350
UR 72	25	-	60	40.9	0.3	3	1800 x 2150 x 2780	5550	4600
UR 84	32	-	80	52.2	0.3	4	2100 x 2450 x 3090	8100	5900
UR 90	36	-	86	61.8	0.3	4	2300 x 2630 x 3100	9800	7600
UR 100	49	-	117	79.5	0.3	4	2500 x 2850 x 3314	11100	9400
UR 120	70	-	170	114	0.3	6	3000 x 3490 x 3600	29000	15250
UR 400	195	-	470	320	0.3	12	5400 x 5400 x 3100	45000	38200
UR 480	280	-	670	480	0.3	14	6500 x 6500 x 3780	116600	61600
<ul style="list-style-type: none"> <li>• Minimum flow rate is recommended for the removal of organic matter and micropollutants and for the dechlorination of water in continuous treatment (waterworks, etc.).</li> <li>• Maximum flow rate is recommended for the removal of low contents of residual Chlorine (&lt;2 mg/l).</li> <li>• Hi-Flo 9 and Twin 9 give greater efficiency in terms of extension of the cycle and/or quality results compared to the Hi-Flo 6 and Twin 6 equivalents..</li> </ul>									
<b>HI-FLO 9 • CULLNEU (ACIDITY)</b>									
UU 20	-	-	3	7.9	0.5	1½	710 x 735 x 1950	830	530
UU 24	-	-	4.5	10.9	0.5	1½	710 x 835 x 1985	1150	725
UU 30	-	-	7	15.9	0.5	1½	765 x 985 x 2050	1780	1110
UU 36	-	-	11	27.3	0.5	2	795 x 1215 x 2130	3030	1955
UU 48	-	-	18	40.9	0.5	2½	1258 x 1465 x 2235	4785	3085
<b>HI-FLO 9 • CULLSORB (IRON - MANGANESE)</b>									
UB 20	1.5	-	3	4.5	0.8	1½	710 x 735 x 1950	830	495
UB 24	2.2	-	4.5	6.8	0.8	1½	710 x 835 x 1985	1070	645
UB 30	3.5	-	7	10.9	0.8	1½	765 x 985 x 2050	1690	1020
UB 36	5.5	-	11	18.3	0.8	2	795 x 1215 x 2130	2920	1845
UB 48	9	-	18	30.0	0.8	2	1258 x 1465 x 2235	4470	2765

# TECHNICAL SPECIFICATIONS

## HI-FLO 9

MODEL	FLOW RATE				PRESSURE LOSS maximum bar	PIPING in-out diameter inches	OVERALL DIMENSIONS width x depth x height mm	WEIGHT	
	Service			Backwash				operating kg	shipping kg
	min. m <sup>3</sup> /h	average m <sup>3</sup> /h	max. m <sup>3</sup> /h						
<b>HI-FLO 9 • SUPER IRON (IRON - MANGANESE)</b>									
UFP 20	1.5	-	3	7.9	0.5	1½	710 x 735 x 1950	770	470
UFP 24	2.2	-	4.5	10.9	0.5	1½	710 x 835 x 1985	1100	680
UFP 30	3.5	-	7	15.9	0.5	1½	765 x 985 x 2050	1700	1030
UFP 36	5.5	-	11	27.3	0.5	2	975 x 1215 x 2130	2980	1910
UFP 48	9	-	18	40.9	0.5	2½	1258 x 1465 x 2235	4490	2790
UFP 60	14	-	28	77	0.5	3	1500 x 1760 x 2700	5500	3800
UFP 72	20	-	40	118	0.5	3	1800 x 2150 x 2782	6400	5400
UFP 84	25	-	52	159	0.5	4	2100 x 2450 x 3090	10650	7700
UFP 90	29	-	58	190	0.5	4	2300 x 2630 x 3100	12450	9010
UFP 100	39	-	79	218	0.5	6	2500 x 2950 x 3364	16100	11700
UFP 120	56	-	112	250	0.5	6	3000 x 3490 x 3600	32000	18800

• Hi-Flo 9 filters from 20" to 48" features Noryl valves.

## HI-FLO 9 TWIN

### HI-FLO 9 TWIN • FILTR-CLEER (TURBIDITY - IRON - MANGANESE)

UF 260	43.4	58	72.4	79.5	1	4	3300 x 1880 x 2610	10900	7500
UF 272	62.4	83.2	104	118	1	4	3900 x 2110 x 2760	12700	10700
UF 284	84.4	112.6	140.8	159	1	6	4580 x 2360 x 3135	21200	15300
UF 290	98	130	163.2	184	1	6	4980 x 2600 x 3210	29074	17800
UF 2100	121.4	162	202.4	218	1	6	5300 x 2970 x 3390	31500	22700
UF 2120	174	232	290	250	1	6	6400 x 3395 x 3595	63300	36900

- Minimum flow rate is recommended for removal of precipitated metals at considerable concentrations (> 4 mg/l total).
- Average flow rate is recommended for removal of precipitated metals at medium concentrations (1-4 mg/l total).
- Maximum flow rate is recommended for removal of precipitated metals at low concentration (< 1 mg/l total).

### HI-FLO 9 TWIN • CULLAR (TASTES - ODOURS - COLOURS - MICROPOLLUTANTS)

UR 260	43.4	-	72.4	29	0.3	4	3300 x 1880 x 2610	8900	6600
UR 272	62.4	-	104	40.9	0.3	4	3900 x 2110 x 2760	11000	9100
UR 284	84.4	-	140.8	52.2	0.3	6	4580 x 2360 x 3135	16100	11700
UR 290	98	-	163.2	61.2	0.3	6	4980 x 2600 x 3210	18760	13650
UR 2100	121.4	-	202.4	79.5	0.3	6	5300 x 2970 x 3390	21500	18100
UR 2120	174	-	290	114	0.3	6	6400 x 3395 x 3595	57300	29800

- Minimum flow rate is recommended for the removal of organic matter and micropollutants and for the dechlorination of water in continuous treatment (waterworks, etc.).
- Maximum flow rate is recommended for the removal of low contents of residual Chlorine (< 2 mg/l).

## OFSY

MODEL	FLOW RATE		PRESSURE LOSS maximum bar	PIPING in-out diameter inches	OVERALL DIMENSIONS width x depth x height mm	WEIGHT	
	Nominal min. m <sup>3</sup> /h	Backwash m <sup>3</sup> /h				operating kg	shipping kg
OFSY 20	4.5	7,9	0.5	1½	1100 x 880 x 1960	865	595
OFSY 24	5.7	10.9	0.5	1½	1200 x 980 x 2000	1255	835
OFSY 30	9.1	15.9	0.5	1½	1600 x 1130 x 2050	1990	1280
OFSY 36	13.6	27.3	0.5	2½	2010 x 1480 x 2130	3105	2155
OFSY 48	21.8	40.9	0.5	2½	2500 x 1730 x 2235	5575	3375
OFSY 60	36.3	61.3	0.5	3	3200 x 1760 x 2150	10500	7200
OFSY 72	50	90.8	0.5	4	3750 x 2150 x 2150	15000	10500
OFSY 84	68.1	129.4	0.5	4	4350 x 2450 x 2160	20000	14000
OFSY 90	82	159	0.5	4	4750 x 2600 x 2250	25000	17000
OFSY 100	100	174.9	0.5	6	5200 x 2950 x 2370	29500	21000
OFSY 120	139	250	0.5	6	6300 x 3430 x 2890	54000	31000
OFSY 400	400	700	0.5	12	11610 x 5400 x 2370	120000	85000
OFSY 480	556	1000	0.5	14	15600 x 6600 x 2890	213000	125000

### Notes

- The figure indicates pressure drop with dirty filter (caused by filtering layers) and obtained by deducting the figure indicated on "OUT" pressure gauge from the figure indicated on "IN" pressure gauge. In OFSY models pressure drop refers to each filtering tank, after deduction of the initial pressure drop.
- The diameters indicated refer to filter pipeworks. They do not apply to connections to pipe network.
- Dimensions and weights indicated refer to automatic models.
- Dimensions may vary ±2%.

## OPERATING DATA

	Hi-Flo 2	Hi-Flo 6 • Hi-Flo 9 TWIN	OFSY
MINIMUM OPERATING PRESSURE	1.5 BAR	1.5 BAR	1.8 BAR
MAXIMUM OPERATING PRESSURE	8.5 BAR	7 UP TO MODEL 60" 5 FROM MODEL 72" TO 120"	7 UP TO MODEL 60" 5 FROM MODEL 72" TO 120"
OPERATING TEMPERATURE	5-50 °C	5-50 °C *	5-50 °C *
POWER SUPPLY	24/230 V – 50 Hz SINGLE-PHASE + EARTH	24/230 V – 50 Hz SINGLE-PHASE + EARTH	24/230 V – 50 Hz SINGLE-PHASE + EARTH
INSTALLED POWER	10 W	10 W	10 W

\* Noryl valves can be employed for temperatures up to 40° C.