

Liquid flow rates in USG/hr at 2 psi pressure drop

Flow rates will depend on which filter discs grade is installed in the filter housing. First check the size of the filter disc using the housing data sheets and then use the charts below to read the flow rate against the element grade. Replace the □ in the part number shown with the required grade, for example FD.64.S20V Filter Disc.

Note that some filter housings are fitted with twin filter discs. In this case refer to the specific data charts below.

The figures shown here are based on the viscosity of water. See note (4) for other liquids.

FD.33.□	Flow Rates in Ltrs/hr 1/8" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	3.0	7.0	16	33	66	98	131	262
Bypass Flow	0.1	0.2	0.6	1.2	2.4	3.5	4.7	9.4

FD.47.□	Flow Rates in Ltrs/hr for 1/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	6	12	31	61	122	183	244	489
Oil (32 cSt)	0.2	0.4	1.1	2.2	4.4	6.6	8.8	17.5

FD.64.□	Flow Rates in Ltrs/hr for 1/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	14	29	72	144	287	481	575	720 ⁽⁵⁾
Bypass Flow	0.5	1.0	2.6	5.2	10.3	15.5	20.6	25.8 ⁽⁵⁾

FD.101.□	Flow Rates in Ltrs/hr for 1/2" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	41	82	206	412	825	1080 ⁽⁵⁾	1080 ⁽⁵⁾	1080 ⁽⁵⁾
Oil (32 cSt)	1.5	3.0	7.4	14.8	29.6	38.7 ⁽⁵⁾	38.7 ⁽⁵⁾	38.7 ⁽⁵⁾

- Notes**
- (1) The above flow rates are for water at 70°F. Flow rates for other liquids can be derived from relative viscosity data.
 - (2) Flow rates are generally proportional to pressure drop. If an initial drop of 3 psi can be tolerated flow rates can be doubled.
 - (3) Flow rates are generally inversely proportional to liquid viscosity.
 - (4) Water = 1 centipoise, for higher viscosity liquids divide the flow rates by the actual viscosity in centipoise.



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