

FILTRATION_{LLC}

400 FILTER CHASSIS CAPACITIES:

Weights are given for different length filter chassis without frames or plates.
 Frame and plate weights and volumes are given for different types and material of construction.
 The filter chassis is clad in 304 (standard) or 316 stainless steel.

Filtration speed:	Beer:	Wine & Fruit Juice:
D.E. filtration: 3,0 - 3,5 hl/h/m ²	(0.28 - 0.32 bbl/h/ft ²)	10 hl/hm ²
Polishing filtration: 1,5 hl/h/m ²	(0,14 bbl/h/ft ²)	7 - 8.5 hl/h/m ²
Sterile filtration : 1,0 - 1.2 hl/h/m ²	(0.09 - 0.11 bbl/h/ft ²)	3 - 4.5 hl/h/m ²

NIRO 400 CHASSIS CAPACITIES:

TYPE FILTER:	SHEET FILTER				KOMBI - FILTER			D.E. FILTER	
	HFK	SHEET	PPN	SHEET	F/P - P	D.E.	SHEET	F/P	D.E.
CHASSIS SIZE		m ²		m ²		m ²	m ²		m ²
NIRO 416	19	2.8	15	2.2				5/4	1.4
NIRO 430	37	5.2	29	4.2				9/8	2.5
NIRO 460	77	10.9	59	8.4				17/16	4.8
NIRO 490	115	16.2	89	12.6				26/25	7.3
NIRO 400/120	155	21.8	119	16.8				34/33	9.5

FILTER CHASSIS DIMENSIONS AND WEIGHT:

SIZE	Height	Width	Manual Spindle		Hydraulic Ram		Ram Force/Pressure	
			Weight	Length	Weight	Length	Set	Maximum
NIRO 416	1,055	600	298	1,515			Set	Maximum
NIRO 430	1,065	600	305	1,765			Hydraulic	Hydraulic
NIRO 460	1,065	600	320	2,250			Pressure	Pressure
NIRO 490	1,065	600	335	2,955			450 bar	650 bar
NIRO 400/120	1,065	600	350	3,445				

FILTER FRAMES & PLATES; DIMENSIONS, WEIGHT AND CAPACITIES:

MATERIAL:	Weight		Volume		Dry D.E.		Area	Single Sheet Weight Double			
	mm	kg.	L.	kg.	m ²	D. kg		W. kg.	D. kg.	W. kg.	
HFK Plate	9.0	2.6		-	0.14						
HFK T-Frame	9.0	2.0	1.26	0.37	0.28						
Stainless D.E.	40.0	5.2	5.6	1.330	0.28						
PPN/Noryl	13.0	1.1		-	0.14						
PPN/Noryl D.E.	13.0	0.8			0.28						
PPN/Noryl D.E.	40.0	3.0		1.163	0.28						
HFK OD Plate	9.0	2.6		-	0.124						
HFK OD T-Frame	9.0	2.0	1.2	0.32	0.25						
HFK OD Frame	40.0	5.2	5.30	1.3	0.25						
Diversion Plate	80.0			-							