

AVIATION REFUELLING HOSES



SPECIFICATION	Meets Standard EN ISO 1825 (EN 1361), EI 1529 C, NFPA 407 and AS 2683. Approved acc. to German military standard VG 95 955. Specified by almost all major oil companies. Further technical data and types see overleaf.
MARKING	Yellow bands every 4 mtr. and continuous embossing as example above.
TYPE HD-C	'Yellow Band' aircraft refuelling hoses, suitable for all aviation gasolines and jet fuels (JET A1), deicing fluids and motor oils. Temperature range -30° up to +90° Celsius. Electrical resistance between 103 and 106 Ohm.
LINING	Nitrile rubber (NBR), antistatic, no fuel solubility
REINFORCEMENT	Textile braids without metallic strands
COVER	Chloroprene (CR), conductive, ozone and flame resistant, highly abrasion resistant
APPLICATION	Hydrant inlet and into-plane hose. Up to size 2½" as deck hose. The hose does not kink with a permanent pressure of least 0,5 bar.

PART NUMBER	WEIGHT APPROX.	HOSE SIZE			WORK PRESSURE	TEST PRESSURE	MAX. VACUUM	MIN. REEL DIA.	COIL LENGTH
TYPE	(KG/M)	ID (IN.)	ID (MM)	OD (MM)	(BAR)	(BAR)	(BAR)	(MM)	(M)
HD 10 C	0,3	¾"	10	19			0,6	140	40
HD 19 C (HD 19 C NEON)	0,6	¾"	19	31			0,6	200	
HD 25 C (HD 25 C NEON)	0,8	1"	25	37			0,5	200	30 + 40
HD 32 C (HD 32 C)	1,0	1¼"	32	44			0,4	225	

NEON)					20	40			+ 50 + 60 + 80
HD 38 C (HD 38 C NEON)	1,2	1½"	38	51			0,3	270	
HD 50 C (HD 50 C NEON)	1,9	2"	50	66			0,3	400	
HD 63 C (HD 63 C NEON)	2,4	2½"	63	79			0,2	600	30 + 40
HD 75 C (HD 75 C NEON)	2,8	3"	75	91			-	600	
HD 100 C (HD 100 C NEON)	3,7	4"	100	116			-	900	40



TYPE VHD-C

Special type 'VHD' with three textile braids and thicker wall for lower bending radii and good suction rates. Burst pressure >100 bar/1500 psi.

APPLICATION

Fortified hose suitable for reel-, into-plane and hydrant inlet operations, as well as riser systems. In non pressure situations this type is more stable against kinking and flattening.

PART NUMBER	WEIGHT APPROX.	HOSE SIZE			WORK PRESSURE	TEST PRESSURE	MAX. VACUUM	MIN. REEL DIA.	COIL LENGTH
TYPE	(KG/M)	ID (IN.)	ID (MM)	OD (MM)	(BAR)	(BAR)	(BAR)	(MM)	(M)
VHD 38 C (VHD 38 C NEON)	1,4	1½"	38	52			0,6	400	40
VHD 50 C (VHD 50 C NEON)	2,0	2"	50	67			0,5	500	30 +

VHD 63 C (VHD 63 C NEON)	2,8	2½"	63	81	20	40	0,4	550	40
VHD 75 C (VHD 75 C NEON)	3,4	3"	63	93			0,2	600	40
VHD 100 C (VHD 100 C NEON)	4,4	4"	100	118			-	-	



TYPE PHD-F

Special type 'PHD' with non metallic plastic helix and thick wall for enhanced lateral stability. Burst pressure >80 bar / 1200 psi.

APPLICATION

For alternative fuelling and defuelling operation. Up to size 2½" the diameter remains stable even with low bending radii.

PART NUMBER	WEIGHT APPROX.	HOSE SIZE			WORK PRESSURE	TEST PRESSURE	MAX. VACUUM	MIN. REEL DIA.	COIL LENGTH
TYPE	(KG/M)	ID (IN.)	ID (MM)	OD (MM)	(BAR)	(BAR)	(BAR)	(MM)	(M)
PHD 38 F (PHD 38 F NEON)	1,5	1½"	38	54	20	40	0,8	400	25+40
PHD 50 F (PHD 50 F NEON)	2,1	2"	50	67			0,8	500	
PHD 63 F (PHD 63 F NEON)	2,9	2½"	63	81			0,7	550	
PHD 75 F (PHD 75 F NEON)	3,6	3"	75	93			0,6	600	40



TYPE TW-E

Suction-/discharge hardwall hose with galvanised steel helix for high suction and for gravity discharge. Burst pressure >80 bar / 1200 psi.

APPLICATION

For tank trucks and the connection between truck and trailer as well as riser systems (see overleaf). Not approved for hydrant inlet and into-plane fuelling

PART NUMBER	WEIGHT APPROX.	HOSE SIZE			WORK PRESSURE	TEST PRESSURE	MAX. VACUUM	MIN. REEL DIA.	COIL LENGTH
TYPE	(KG/M)	ID (IN.)	ID (MM)	OD (MM)	(BAR)	(BAR)	(BAR)	(MM)	(M)
TW 25 E	0,8	1"	25	37	20	40	0,8	200	40
TW 32 E	1,0	1¼"	32	44				225	
TW 38 E	1,4	1½"	38	51				400	
TW 50 E	2,1	2"	50	66				500	
TW 63 E	2,8	2½"	63	79				550	
TW 75 E	3,3	3"	75	91				600	
TW 100 E	4,7	4"	100	116				900	