



3,000-10,000 PSI High Pressure Discharge Hose

30 Ft. Model **34350**
50 Ft. Models **34325**
34354-34358

FEATURES

- Tighter bend radius than standard R hose permitting a smaller packaged unit.
- Reinforced wire braid or steel spiral for strength and durability.
- Heat resistant, cleaning chemical resistant, and wear resistant giving you greater return on your investment.

SPECIFICATIONS

10,000 PSI - 1/2"

	U.S. Measure	Metric Measure
MODEL	34357	
Max. System Flow.....	25 GPM	(95 L/M)
Max. System Pressure.....	10,000 PSI	(690 BAR)
Max. Temperature*.....	100°F	(38°C)
Bend Radius.....	6.0"	(152 mm)
Hose Construction (Spiral).....	Four Steel	(Four Steel)
Safety Factor.....	3.2 to 1	(3.2 to 1)
Hose Connections.....	1/2" NPTM	(1/2" NPTM)
Hose Length.....	50 ft.	(15.2 M)
Weight.....	43.9 lbs.	(19.9 kg)

*Refer to individual operator's manual for maximum pump liquid temperature.

SPECIFICATIONS

	U.S. Measure	U.S. Measure	U.S. Measure	Metric Measure
3000 & 4000 PSI - 3/8"				
MODELS	34350	34355	34325	
Max. System Flow.....	10 GPM	10 GPM	10 GPM	(38 L/M)
Max. System Pressure.....	3000 PSI	3000 PSI	4000 PSI	(210/275 BAR)
Max. Temperature*.....	250°F	250°F	250°F	(121°C)
Bend Radius.....	2.0"	2.0"	2.5"	(51/63 mm)
Hose Construction (Braid).....	Single Wire	Single Wire	Double Wire	(Single/Double)
Safety Factor.....	4 to 1	4 to 1	4 to 1	(4 to 1)
Hose Connections.....	3/8" NPTM	3/8" NPTM	3/8" NPTM	(3/8" NPTM)
Swivel.....	3/8" NPTM	3/8" NPTM	3/8" NPTM	(3/8" NPTM)
Hose Length.....	30 ft.	50 ft.	50 ft.	(9.1/15.2 M)
Weight.....	6.1 lbs.	9.8 lbs.	14.2 lbs.	(2.7/4.4/6.6 kg)

3000 PSI - 3/4"

	U.S. Measure	Metric Measure
MODEL	34354	
Max. System Flow.....	50 GPM	(189 L/M)
Max. System Pressure.....	3000 PSI	(210 BAR)
Max. Temperature*.....	250°F	(121°C)
Bend Radius.....	4.75"	(120 mm)
Hose Construction (Braid).....	Single Wire	(Single Wire)
Safety Factor.....	4 to 1	(4 to 1)
Hose Connections.....	3/4" NPTM	(3/4" NPTM)
Swivel.....	3/4" NPTM	(3/4" NPTM)
Hose Length.....	50 ft.	(15.2 M)
Weight.....	35.5 lbs.	(16.1 kg)

3000 PSI - 1/2"

	U.S. Measure	Metric Measure
MODEL	34356	
Max. System Flow.....	25 GPM	(95 L/M)
Max. System Pressure.....	3000 PSI	(210 BAR)
Max. Temperature*.....	250°F	(121°C)
Bend Radius.....	3.5"	(88 mm)
Hose Construction (Braid).....	Single Wire	(Single Wire)
Safety Factor.....	4 to 1	(4 to 1)
Hose Connections.....	1/2" NPTM	(1/2" NPTM)
Swivel.....	1/2" NPTM	(1/2" NPTM)
Hose Length.....	50 ft.	(15.2 M)
Weight.....	14.5 lbs.	(6.5 kg)

3000 PSI - 1"

	U.S. Measure	Metric Measure
MODEL	34358	
Max. System Flow.....	70 GPM	(265 L/M)
Max. System Pressure.....	3000 PSI	(210 BAR)
Max. Temperature*.....	250°F	(121°C)
Bend Radius.....	6.0"	(152 mm)
Hose Construction (Braid).....	Single Wire	(Single Wire)
Safety Factor.....	4 to 1	(4 to 1)
Hose Connections.....	1" NPTM	(1" NPTM)
Swivel/Adapter.....	1" NPTM	(1" NPTM)
Hose Length.....	50 ft.	(15.2 M)
Weight.....	55.0 lbs.	(24.9 kg)

"Customer confidence is our greatest asset"

SELECTION: Always select a hose to meet or exceed the system pressure desired. Match quick couplers and other system accessories to hose pressure rating.

INSTALLATION: The standard 4000 PSI hose swivel end quickly connects to any 3/8" gun inlet fitting. Quick couplers are also available for connecting Hose-to-Hose or Hose-to-TUFF CAT Unit.

The 10,000 PSI hose has a 1/2" fitting which should be connected to a **Dump Gun** for maximum safety. A quick coupler is available for **connecting Hose-to-Hose**.

OPERATION: Check for tight, non-leaking hose connections to assure optimum performance.

Refer to Hose Friction Loss chart below for pressure loss incurred as you increase hose length.

MAINTENANCE: Replace hose if outer covering becomes excessively worn, cut, cracked or if a bulge occurs.

PARTS LIST

PART NO	DESCRIPTION	HOSE MODEL
34380	Quick Disconnect Hose-to-Hose 3/8" NPTF x 3/8" NPTF 4000 PSI	34350, 34355
34667	Quick Disconnect Hose-to-TUFF CAT Unit 3/8" NPTF x 3/8" NPTM 4000 PSI	34350, 34355
34381	Quick Disconnect Hose-to-Hose 1/2" NPTF x 1/2" NPTF 10,000 PSI	34357
34382	Quick Disconnect Hose-to-Hose 3/4" NPTF x 3/4" NPTF 3000 PSI	34354
34383	Quick Disconnect Hose-to-Hose 1" NPTF x 1" NPTF 3000 PSI	34358
34384	Quick Disconnect Hose-to-Hose 1/2" NPTF x 1/2" NPTF 1000 PSI	34356

HOSE FRICTION LOSS

Water* Flow Gal/Min	PRESSURE DROP IN PSI PER 100 FT OF HOSE WITH TYPICAL WATER FLOW RATES Hose Inside Diameters, Inches						
	1/4	5/16	3/8	1/2	5/8	3/4	1"
0.5	16	5	2				
1	54	20	7	2			
2	180	60	25	6	2		
3	380	120	50	13	4	2	
4		220	90	24	7	3	
5		320	130	34	10	4	
6			220	52	16	7	1
8			300	80	25	10	2
10			450	120	38	14	3
15			900	250	80	30	7
20			1600	400	121	50	12
25				650	200	76	19
30					250	96	24
40					410	162	42
50					600	235	62
60						370	93

*At a fixed flow rate with a given size hose, the pressure drop across a given hose length will be directly proportional. A 50 ft. hose will exhibit one-half the pressure drop of a 100 ft. hose. Above values shown are valid at all pressure levels.

⚠ WARNING

Severe injury can occur with high pressure spray.
Do not allow spray to contact any part of body.

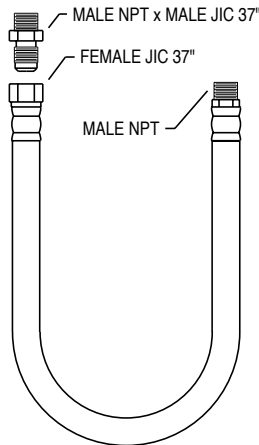
WARRANTY

90 Day Warranty

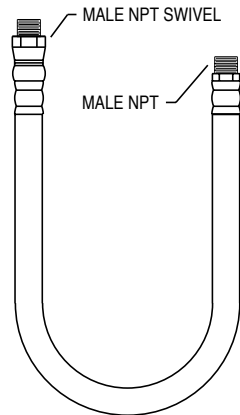
Refer to complete CAT PUMPS Warranty for further information.

HOSE FITTING STYLE

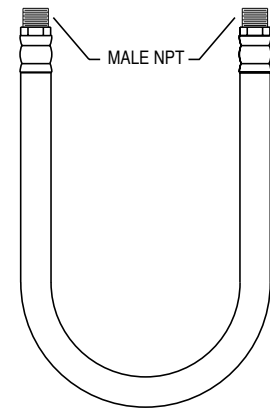
Type A
34358



Type B
34325
34350
34354
34355
34356



Type F
34357



World Headquarters

CAT PUMPS

1681 - 94th Lane N.E. Minneapolis, MN 55449-4324

Phone (763) 780-5440 — FAX (763) 780-2958

e-mail: techsupport@catpumps.com

www.catpumps.com

International Inquiries

FAX (763) 785-4329

e-mail: intlsales@catpumps.com



The Pumps with Nine Lives

CAT PUMPS (U.K.) LTD.

1 Fleet Business Park, Sandy Lane, Church Crookham

FLEET, Hampshire, GU52 8BF, England

Phone Fleet 44 1252-622031 — Fax 44 1252-626655

e-mail: sales@catpumps.co.uk

N.V. CAT PUMPS INTERNATIONAL S.A.

Heiveldkens 6A, B-2550 Kontich, Belgium

Phone 32-3-450.71.50 — Fax 32-3-450.71.51

e-mail: cpi@catpumps.be www.catpumps.be

CAT PUMPS DEUTSCHLAND GmbH

Buchwiese 2, D-65510 Idstein, Germany

Phone 49 6126-9303 0 — Fax 49 6126-9303 33

e-mail: catpumps@t-online.de www.catpumps.de